

**West Virginia  
Drinking Water Treatment  
State Revolving Fund  
Annual Report for  
State Fiscal Year 2012**



**West Virginia Department of Health and Human Resources**  
*Office of Environmental Health Services*  
**Bureau for Public Health**  
Environmental Engineering Division

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**Our Vision:  
Healthy People through Healthy Environments  
In West Virginia**

# TABLE OF CONTENTS

<b>I. INTRODUCTION</b> .....	1
<b>II. GOALS AND ACCOMPLISHMENTS</b> .....	2
A. Progress toward Long-Term Goals.....	2
B. Progress Toward Short-Term Goals .....	7
<b>III. DWTRF LOAN AND SET-ASIDE ACTIVITIES</b> .....	9
A. Sources of DWSRF Funding .....	9
1. Available Funds .....	10
2. Capitalization Grants .....	10
3. In-Kind Services .....	11
4. State Match .....	12
5. Interest Earnings on Investments.....	12
6. Repayments of Original Loans .....	13
7. Administration Fees .....	13
8. Sources and Uses of Funds .....	14
9. West Virginia American Water Settlement Fee.....	15
10. Uses of Disbursed DWTRF Funding.....	16
11. Set-Aside Utilization.....	17
B. Uses of DWSRF Funds.....	17
1. Loan Assistance Status .....	17
a. Binding Commitments .....	18
b. Green Project Reserve .....	18
c. Project Bypass .....	19
d. Small Systems .....	19
e. Disadvantaged Community Systems .....	20
f. Principal Forgiveness Tracking.....	21
h. Loan Disbursements .....	22
i. Success Stories .....	24
j. Sustainable Infrastructure .....	28

2. Set-Aside Activity Status .....	29
A. Administration .....	29
B. Small Systems Technical Assistance .....	32
C. State Program Management.....	33
1. PWS Supervision (PWSS) Program .....	35
2. Capacity Development .....	35
3. Operator Certification .....	36
3. State Program Management Redirection:	
Grant Supplemental Work Plans .....	39
A. Capacity Development and Technical Assistance.....	39
B. Geographic Information Systems Mapping.....	40
C. Area Wide Optimization Program Performance Based Training.....	41
D. Source Water Assistance Program Technical Assistance .....	42
E. Source Water Security Enhancements Grants .....	42
F. Source Water Protection Grants.....	43
G. Water Distribution and Chief Operating Training.....	43
H. Annualized Salaries .....	44
I. Fringe Benefits.....	44
J. Current Expense.....	44
K. Indirect Costs.....	44
C. Local Assistance and Other State Programs .....	44
1. Source Water Assessment and Protection (SWAP) Program .....	45
a. Ground Water Systems .....	45
b. Surface Water Systems .....	45
c. Highlights During This Reporting Period .....	46
2. Wellhead Protection Activities .....	49
3. Local Assistance Redirection: Grant Supplemental Work Plans .....	49
A. Capacity Development and SWAP Assistance.....	50
B. Geographic Information Systems Mapping.....	50
C. Area Wide Optimization Program Performance Based Training.....	50
D. WV Utility Management Institute.....	50
E. Source Water Protection Grants.....	51

F. Project and Planning Design .....	51
G. Annualized Salaries .....	52
H. Fringe Benefits .....	52
I. Current Expenses .....	52
J. Indirect Costs .....	52
<b>IV. FINANCIAL SUMMARY.....</b>	<b>52</b>
A. Status of Loans.....	52
B. Loan Disbursements / Cash Draw Proportionality.....	52
C. Set-Aside Disbursements / Cash Draw Proportionality.....	53
D. Annual Repayment / Aging of Accounts.....	53
E. Loan Portfolio Analysis.....	53
F. Investments.....	53
G. Financial Statements.....	53
<b>V. COMPLIANCE WITH OPERATING AGREEMENT AND GRANT CONDITIONS.....</b>	<b>53</b>
A. Operating Agreement Assurances and Certificates .....	54
B. Construction .....	56
C. Set-Asides .....	57

# T A B L E S

Table 1 - DWTRF Overview .....	2
Table 2 - DWTRF Loan Summary .....	3
Table 3 - Available Funds.....	10
Table 4 - Capitalization Grants .....	10
Table 5 - In-Kind Services.....	11
Table 6 - State Match.....	12
Table 7 - Interest Earnings on Investments.....	12
Table 8 - Repayments of Original Loans .....	13
Table 9 - Administration Fees.....	13
Table 10 - Sources and Uses of Committed DWTRF Funding.....	14
Table 11 - West Virginia American Water Settlement Fee .....	15
Table 12 - Uses of Disbursed DWTRF Funding .....	16
Table 13 - Set-Aside Utilization for All Grants.....	17
Table 14 - Allocation of Available Federal Grant Funds .....	17
Table 15 - DWTRF Funded Projects (Closed Loans).....	19
Table 16 - Distribution of Loan Dollars by Population Served .....	20
Table 17 - Annual Principal Forgiveness Projects.....	21
Table 18 - Cumulative Principal Forgiveness Project Tracking.....	21
Table 19 - Annual Equivalency Projects .....	22
Table 20 - Cumulative Equivalency Projects.....	22
Table 21 - Loan Disbursements.....	24
Table 22 - Administrative Awards and Disbursements (4% Set-Aside).....	30
Table 23 - Small Systems Technical Assistance .....	33
Table 24 - State Program Management Awards and Disbursements .....	35
Table 25 - Local Assistance Awards and Disbursements .....	45

# **FIGURES**

<b>Figure 1</b> - Distribution of Loans by Loan Size .....	18
<b>Figure 2</b> - Distribution of Disadvantaged Community Binding Commitments.....	20
<b>Figure 3</b> - Loan Disbursements.....	23
<b>Figure 4</b> - Administrative Awards and Disbursements.....	30
<b>Figure 5</b> - Small Systems Technical Assistance .....	33
<b>Figure 6</b> - Federal and State Program Awards.....	34
<b>Figure 7</b> - Program Management Awards and Disbursements .....	34
<b>Figure 8</b> - Local Assistance Awards and Disbursements.....	44

# **APPENDICES**

<b>APPENDIX A:</b> Project Information/Loan Status .....	58
Appendix A-1: SRF Construction Loan Closings	
Appendix A-2: SRF Construction Loan Letters of Commitment	
Appendix A-3: Comprehensive Funding List Summary	
Appendix A-4: By-Passed Project List	
Appendix A-5: Green Project Reserve Annual Project	
Appendix A-6: Green Project Reserve Cumulative Listing	
<b>APPENDIX B:</b> Accounting and Management Report.....	71
Appendix B-1: Income Statement Summary 2012	
Appendix B-2: Balance Sheet Summary 2012	
Appendix B-3: Trial Balance 2012	
Appendix B-4: FCTR to FSR Cash Transaction Report	
Appendix B-5: Set Aside Expenditure Recap	
Appendix B-6: Reconciliation of BPH Disbursements with EPA Report	
<b>APPENDIX C:</b> Report on Payments, Binding Commitments, Cash Draws, DBE .....	79

- Appendix C-1: DWTRF Grant Invoices for SFY2012
- Appendix C-2: Set Aside Disbursements
- Appendix C-3: DWTRF Construction DBE Summary Table
- Appendix C-4: SRF Set Aside DBE Summary Table
- Appendix C-5: DHHR Commitment Report / Sub-Recipient Obligations

**APPENDIX D:** Audit Reports (Including Financial Statements)  
to be issued at a later date.....89

**APPENDIX E:** Annual Report on Credit Conditions of Borrowers  
Desk Audits – 2007 thru 2011.....90

**APPENDIX F:** Desk Audit Reviews.....92

**APPENDIX G:** Monthly Reports from Loan Recipients.....94

# ACRONYMS

<b>AWOP</b>	Area Wide Optimization Program Performance Based Training
<b>AWWA</b>	American Water Works Association
<b>ARRA</b>	American Recovery and Reinvestment Act
<b>C&amp;T</b>	Certification and Training
<b>CDA</b>	Capacity Development Assessment
<b>CEH</b>	Continuing Education Hours
<b>DWNIMS</b>	Drinking Water National Information Management System
<b>DWSRF</b>	Drinking Water State Revolving Fund
<b>DWTRF</b>	Drinking Water Treatment Revolving Fund
<b>USEPA</b>	United States Environmental Protection Agency
<b>WVETC</b>	West Virginia Environmental Training Center
<b>FCTR</b>	Federal Cash Transaction Report
<b>FONSI</b>	Findings of No Significant Impact
<b>FSR</b>	Financial Statement Report
<b>GPR</b>	Green Project Reserve
<b>GAAP</b>	General Acceptance Accounting Principals
<b>GIS</b>	Global Information System
<b>GPS</b>	Global Positioning System
<b>HELP</b>	Hours for Education and Learning Program
<b>IUP</b>	Intended Use Plan
<b>LGA</b>	Local Governmental Agency
<b>MUB</b>	Morgantown Utility Board
<b>OEHS</b>	Office of Environmental Health Services
<b>PBT</b>	Performance Based Training
<b>PSC</b>	Public Service Commission
<b>PWS</b>	Public Water System
<b>PWSS</b>	Public Water Supply Supervision
<b>SDWIS</b>	State Drinking Water Information System
<b>SDWA</b>	Safe Drinking Water Act
<b>SFY</b>	State Fiscal Year
<b>SWAP</b>	Source Water Assessment and Protection
<b>TMF</b>	Technical, Managerial, Financial Capacity
<b>UMI</b>	Utility Management Institute
<b>WAP</b>	Watershed Assessment Program
<b>WDA</b>	Water Development Authority
<b>WHPP</b>	Wellhead Protection Plan
<b>WVAW</b>	West Virginia American Water
<b>WVIJDC</b>	West Virginia Infrastructure Jobs Development Council
<b>WVRWA</b>	West Virginia Rural Water Association

## **I. INTRODUCTION**

The State of West Virginia is pleased to submit the Annual Report on the Drinking Water State Revolving Fund (DWSRF) for State Fiscal Year (SFY) 2012. The report addresses operations of the DWSRF during the period from July 1, 2011 through June 30, 2012. West Virginia received the Federal Fiscal Year (FFY) 2011 appropriated capitalization grant during this period. West Virginia also received an additional allocation of residual Environmental Protection Agency funds that were used for construction projects.

This comprehensive report provided to the public and to the Environmental Protection Agency (USEPA) Region III Office details the activities undertaken to reach the goals and objectives set forth in the Intended Use Plan (IUP) for July 1, 2011 through June 30, 2012. This report documents the program status by describing the progress made toward long- and short-term program goals, the sources (e.g., federal grants), uses of all funds (e.g., loans), financial status of the DWSRF, and compliance with federal DWSRF requirements.

The Annual Report presents five major sections. Section I provides the introduction. Section II provides a summary of progress made toward reaching long- and short-term goals of the program. Section III provides details on loan and set-aside activities. Section IV provides a financial overview of the program conditions. Section V provides a compliance update with the federal capitalization grant agreement and the operating agreement. The overview in Table 1 below describes the activity of the construction fund known as the Drinking Water Treatment Revolving Fund (DWTRF).

**Table 1: DWTRF Overview**

<b>West Virginia DWTRF - OVERVIEW</b>	
<b>SFY 2012 (July 1, 2011 - June 30, 2012)</b>	
Total Cumulative Investment:	<b>\$212,738,260</b>
SFY 2012 Investment:	<b>\$15,757,985</b>
Total Number of Projects:	<b>3 (4 Loans)</b>
Total Project Funding (Closed Loans):	<b>\$11,020,794</b>
Total Population Served:	<b>19,260</b>
Principal Forgiveness Agreements:	<b>1</b>
Principal Forgiveness Funding:	<b>\$1,367,839</b>
Interest Rates:	<b>1 projects - 0 Percent</b> <b>2 projects - 2 Percent</b>
Repayment Period:	<b>1 projects - 30 years</b> <b>2 projects - 20 years</b>
Small Systems Funded:	<b>3 Projects for \$11,020,794</b>
Disadvantaged Community Loan Funding:	<b>1 Project for \$4,382,294</b>

## **II. GOALS AND ACCOMPLISHMENTS**

OEHS developed the IUP goals listed below. The long-term goals provide a framework to guide DWSRF program management decisions. The short-term goals support the program's long-term goals implementation.

### **A. Progress Toward Long-Term Goals**

1. West Virginia Drinking Water Infrastructure: To provide the necessary infrastructure replacement, upgrade, and coverage as determined necessary in the West Virginia Infrastructure and Jobs Development Council's (WVIJDC) 2005 Public Water and Systems Inventory Assessment Report (approximately 725 million dollars needed infrastructure) and the 2007 EPA Needs Survey.

The program strives to achieve the overall goals of upgrading water quality for existing public water customers and providing water to customers whose water currently is not in compliance with the Safe Drinking Water Act (SDWA). The above goals are being achieved through the DWTRF loans to public water systems in Table 2.

**Table 2: DWTRF Loan Summary**

Description	# of Loans	\$ Amount of Loans
Closed Loans prior to SFY 2012	76	\$145,035,438
Closed Loans during SFY 2012	4	\$11,020,794
Total Closed Loans	80	\$156,056,232

Refer to Appendix A-1 for a list of closed loans.

In addition to the four closed loans during the year, the DWTRF program had five projects with letters of binding commitments through the end of the year that totaled \$12,757,689. These five projects have not closed loans as of the end of SFY 2012 as shown in Appendix A-2. The Office of Environmental Health Services (OEHS) has committed to participating in 80 projects (loans) with the DWTRF, also known as the DWSRF Construction Loan Fund, totaling \$156,056,232 to improve the drinking water infrastructure. Some of these projects will allow water systems to upgrade facilities and improve the operation of their water treatment plants and distribution systems. Some projects will provide potable water to residents who currently have unreliable water wells and cisterns and have poor quality of water. The program provides opportunities for them to connect to public water sources. All of these projects will allow the public water systems to maintain compliance with the Safe Drinking Water Act.

2. Capacity Development Program: Continue to conduct financial, managerial, and technical capacity assessments on public water systems and provide necessary assistance to ensure compliance with the SDWA.

The EPA approved the WV Strategy on September 27, 2000. The Capacity Development staff has been implementing the program to assist water systems to identify capacity needs and provide resources for them.

The West Virginia Capacity Development Program Annual Report was provided to EPA in November 2011. This Annual Report documented continued compliance with SDWA Section 1420(a) and provided a summary of capacity development program activities between October 1, 2010 and September 30, 2011. Reference *State Program Management: Capacity Development* section for details of this program.

3. Continue to participate in the WVIJDC: Participation in this process on a monthly basis allows the program to oversee the technical review committee for a technical

feasibility review of applications and to maximize all available state and federal funding sources.

The OEHS continues to participate in the WVIJDC process monthly by chairing the water technical review committee and as a member of the wastewater technical review committee. The committee reviews incoming WVIJDC applications, various funded project change orders, design loan requests, uses of contingency monies, and either recommends forwarding these submittals to the Infrastructure Council Funding Committee for approval or returning them due to either technical or financial deficiencies. During the SFY 2012, the OEHS reviewed 44 water project submittals and reviewed 35 wastewater project submittals.

4. Develop a database of existing public water systems: which will include system inventory, compliance history, sampling history, operator certification, etc., to quickly access an existing system as well as evaluate proposed new projects/systems. The database should also have the ability to interface with other existing databases.

The Safe Drinking Water Information System, State Version (SDWIS/State) database is used for storing and tracking public water system inventory which includes system contacts, operators, facility information, sampling points, sampling data, violation and enforcement information, and other related information. It is also used for water system compliance schedules and report generation for use in determining compliance decisions for all rules promulgated under the Safe Drinking Water Act.

The Safe Drinking Water Operator Certification System (SWOCS), developed by Global Environmental Consultants, is used for tracking water system operator certification requirements for all certified operators. The SWOCS data interfaces with SDWIS/State information. Using the SDWIS/State Migrate to State functionality, microbiological test results from State laboratories are entered into SDWIS/State electronically, eliminating manual data entry. Implementation of this functionality for private laboratories (bacteriological and chemical test results) is ongoing.

5. Develop the DWTRF to ensure the long term fund perpetuity to provide for future additional projects from loan repayments:
  - a. Conduct financial, managerial, and technical capacity assessments under the Capacity Development Program on all potential loan recipients to assure fiscal responsibility.

During SFY 2012, the OEHS continued to conduct capacity development assessments to determine the loan recipient's capacity and viability. The OEHS conducted 14 assessments for potential loan recipients during this reporting period. The Capacity Development Unit has completed a Capacity Development Assessment for all loan recipients this year. All the loan recipients assessed had adequate capacities and were recommended for a potential DWTRF loan.

- b. Analyze the ability to meet long-term fund perpetuity by using the EPA financial planning model.

During the reporting period EPA Region III performed a review of the financial health of the DWTRF. The financial planning model was not used during this review, but the Performance Evaluation Report states the DWTRF fund account has a strong cash flow; financial management is sound; internal controls are in place; annual independent audits are performed; and all funds are invested prudently. The Infrastructure Council and Public Service Commission perform a detailed credit analysis and a financial capability assessment on all loan recipients. Consequently, there have not been any loan defaults or major delinquencies with loan recipients.

OEHS has implemented changes to loan terms in the grant application to maintain the perpetuity of the loan program. The administration fee has been reduced from 1% to 0.5% and the loan rates have been increased from 2% to 2.5% for non-disadvantaged systems and increased from 0% to 0.5% for disadvantaged systems

- c. Monitor repayment activity of loan recipients and take aggressive action to collect delinquent payments.

The West Virginia Water Development Authority (WDA) has been contracted to monitor the DWTRF repayment activity. During SFY 2012, fourteen additional DWTRF loans began making payments into the account for a total of 67 loans. Monthly reports from the West Virginia Municipal Bond Commission, the paying agent for the DWTRF loans, are received and reviewed by WDA and OEHS. WDA sends a letter to the loan recipient when the required debt service or reserve payments are not made. If the letters are not effective, WDA can file a complaint with the Public Service Commission of West Virginia (PSC) for their intervention.

In SFY 2003, WDA and OEHS developed procedures for performing reviews of the borrower's required audits. All sub-recipients of the DWTRF with continuing compliance requirements are required to submit an annual audit report. These audit reports must be reviewed to provide reasonable assurance of the sub-recipients compliance with federal requirements, audits are performed on federal funding supplied, and corrective action is taken on all findings noted.

At the end of SFY 2012, the WDA had not received three sub-recipient audit reports that are required to be analyzed and reviewed. The following summarizes sub-recipient audit reports (for the prior year) not received by year: June 30, 2011 – 2, June 30, 2010 – 1. Late submission of audit reports have been reduced over the last several years with only three outstanding missing reports currently. The desk audit reviews can be seen in Appendix F.

WDA continues to follow-up with water systems that are deficient with audit reports to ensure compliance with federal requirements.

- d. Market the DWTRF through various conferences (WV Rural Water Association Conference, American Water Works Association, WVIJDC Meetings, etc.), pamphlets/brochures and newsletters on SRF program activities.

OEHS participated in compiling materials and performing activities aimed toward marketing the DWTRF program. These activities included presentations at the West Virginia Rural Water Association Conference and the WVIJDC meetings; a display at the West Virginia EXPO in Charleston; an article in the West Virginia Contractor's Annual Fall edition magazine, participation in the WV Contractor's Association Task Force meetings, and the Public Service Commission Newsletters distributed to the water treatment operators throughout the state. The OEHS funded a portion of the Rural Water Association 12-month calendar for water treatment operator continuing education hour training in conjunction with the West Virginia Drinking Water Education and Training Coalition. OEHS staff participated in a funding seminar at the Rural Water Conference to present information to water systems and consultant engineers regarding DWTRF funding.

6. Improve the DWTRF utilization rate to the national average or EPA Region III average whichever is higher by sending Letters of Commitment of DWTRF funds prior to actual receipt of the EPA Capitalization Grant to utilize capital funds during the year they are awarded, giving design loans to water systems to facilitate a more fundable project, and exploring other states' DWTRF programs to acquire ideas to increase the utilization rate (e.g., debt forgiveness, bond leveraging, etc.).

This year's utilization rate has dropped slightly to 93.8% versus the previous year's rate of 94.1%. OEHS has maintained the goal of matching the national and regional utilization rates for the second year in a row. The rate was affected by several projects that were not able to proceed to construction and close a loan. We have nearly \$13 million of projects that have binding commitment letters that did not get to the construction stage.

We continued to focus on the following specific recommendations from the report titled "*Utilization of West Virginia's Drinking Water Treatment Revolving Fund*" to improve the utilization rate:

- Continue use of an application process for water systems expressing a specific interest in obtaining DWTRF funds.
- Recommend DWTRF funding for Infrastructure Council applications when the water system could take a DWTRF loan and not exceed a reasonable percent of medium household income (MHI).

- Generate and advertise a project priority list more frequently than once per year to enable water systems more access to the DWTRF fund.
- Market the DWTRF fund at funding agency meetings and utility system conferences.
- Over commit DWTRF funds but not exceed reasonable federal funding commitments, repayments, and interest.

## **B. Progress Toward Short-Term Goals**

1. Provide financial assistance to eligible drinking water systems to eliminate drinking water problems and improve drinking water quality in the state, closing 75% of the construction loans within 18 months.

At the end of the SFY 2012, \$156,056,232 (93.8% of available funds) of the construction funds had been committed in loan closings. Cumulatively for this reporting period, 57% of the DWTRF loans that were issued letters of binding commitment closed loans within 18 months. The prior year cumulative number was 59%. This percentage is calculated by combining the principal forgiveness loan and repayment loan as one single loan for each project since they were both listed in the letter of binding commitments as they were issued.

During this year \$8,907,689 (six loans) was committed in issued letters of binding commitment for the fiscal year as shown in Appendix A-2. There was one letter of binding commitment for the prior year for \$3,850,000 that was still outstanding at the end of the fiscal year. Three loans were closed within 18 months from the letter of commitment. OEHS will continue to work on closing loans within 18 months to achieve the 75% goal.

2. Continue implementation of the Source Water Assessment Protection (SWAP) Program through community ground and surface water assessments with the development of a SWAP Grants program that will provide funding to establish and develop local source water protection programs for watershed protection, surface water sources, wellhead protection (WHP), and for ground water sources.

The SWAP and the WHP programs are discussed in the State Program Management Set-Aside, Source Water Protection section of this report.

3. Continue implementation of the Capacity Development Strategy by assisting existing public water systems in acquiring and maintaining capacity (technical, managerial, and financial) to comply with the federal SDWA. Assist new public water systems to ensure that all new community water systems and new non-transient non-community systems have technical, managerial, and financial capacity to comply with regulations in effect or likely to be in effect, when the system initiates operations.

During SFY 2012, the Capacity Development unit focused on performing capacity development assessments for water systems likely to obtain DWTRF funding, those

recommended by OEHS technical assistance and enforcement staff, and systems who requested assistance to improve their capacity. The Capacity Development Initiative (CAPDEV) continued providing a meeting for water systems to network for mutual assistance in emergency and non-emergency situations. The meeting was well attended and water system personnel freely discussed issues and needs. All new public water systems are reviewed for technical, managerial, and financial (TMF) capacity and approved before a construction permit is issued. The Capacity Development Program is discussed in the State Local Assistance Set-Aside, Capacity Development section of this report. The Capacity Development annual report will be issued in November of this year. The Capacity Development annual report will provide more details specific to the program activities.

4. Continue development, enhancement, and improvement of the Public Water Supply Supervision Program through improved methodology and consistency of the sanitary surveys, maintenance of a full complement of staffing in the district offices, and final development of an automated data collection system for private laboratories to forward results of total organic compounds.

During SFY 2012, various improvements and activities took place within the PWSS program, specifically within the Regulatory Development, Operations-District Office, and Infrastructure/Capacity Development Units. OEHS continues to strive to maintain full staffing in the district offices and they have completed the required work stated in work plans. OEHS district engineers conducted sanitary surveys and continued using the Safe Water Information Field Tool (SWIFT). OEHS is also working on a Cross Media Electronic Report Regulation (CROMEER) application for submittal to the EPA to allow private laboratories to submit laboratory data for compliance purposes.

5. Continue to implement operator training continuing education program focusing on training course/instructor criteria, and operator training requirements.

During SFY 2012, OEHS Staff continued to implement the operator certification program by providing operator certification and training. The mandated public water system operator continuing education hour efforts continued through SFY 2012. The operator certification program is discussed in Set-Aside: State Program Management - Operator Certification section of this report.

The West Virginia Rural Water Association (WVRWA), through a contract with OEHS, has continued a program to provide training opportunities to small community and non-community water system personnel statewide. The West Virginia Bureau for Public Health sets the training curriculum and strategy along with West Virginia Rural Water Association with input from the systems throughout the state. The development of the lending library of audio/visual instructive and informational material continues along with an Internet Home Page Information System. More information is included in the Set Aside: Small Systems Technical Assistance Program section of this report.

6. Continue to participate in the WVIJDC's monthly meetings through performance of technical reviews on all proposed water projects; coordination and recommendation of the most feasible funding sources in accordance with established state rules and procedures.

As Chair of the Water Technical Review Committee, voting member of the Funding Committee, and voting member of the full WVIJDC, OEHS continues to work with other funding agencies. Of the four project commitments for loan closings made during SFY 2012 totaling \$11.0 million in DWTRF funds; \$330,000 was committed by other funding agencies to fund over \$11.3 million for construction.

7. Respond to "Summary of OEHS Action Items" based on comments by the US EPA during the 2012 Site Visit.

During SFY 2012, the OEHS responded to comments from EPA's "Summary of OEHS Action Items" from their 2011 site visit. There were no findings from the site review.

8. ARRA Short Term Goals

- a. Meet the requirements of the ARRA grant:

The ARRA projects were reviewed during the EPA site visit in May 2012. EPA did not have any findings for any of the projects.

- b. Disburse all of the ARRA grant funds as soon as possible:

OEHS disbursed 100% of the ARRA project funds in August 2011. WV was the first state in EPA Region III to achieve 100% disbursement of ARRA funds. This goal will be omitted from all future reports.

### **III. DWTRF LOAN AND SET-ASIDE ACTIVITIES**

In this section we provide a detailed discussion of the DWSRF assistance activities during SFY 2012. We provide details on the sources of DWTRF program funding, the loan activities status, and the set-aside activities status. Table 3 through Table 11 provides information about the sources and uses of DWSRF funding. Table 3 shows all sources of DWSRF funds available in SFY 2012.

#### **A. Sources of DWSRF Funding**

The cumulative funding available for the DWSRF program in this reporting period totaled \$212,738,260 as shown in Table 3.

Because the OEHS has only operated the program for fourteen years, federal capitalization grants and state matches have been the major sources of funding. Tables 3 through 11 show the details of the funds coming into the program and the

planned uses of those funds. The major aspects of the funding sources and uses are described below:

**Table 3. Available Funds**

	Amount	Percentage
Capitalization Grant (w/o In-Kind Services)	\$149,403,645	70.23%
State Match (IJDC MATCH)	\$26,215,300	12.32%
Additional State Contributions (1 TO 1 Match)	\$9,800,000	4.61%
Investment Interest Earnings (IJDC Match)	\$2,930,300	1.38%
Principal Repayments	\$19,189,385	9.02%
Interest Earnings on Loans	\$2,694,993	1.27%
Administration Fees	\$2,359,822	1.11%
Interest Earning on Admin Fees	\$144,815	0.07%
<b>Total Available</b>	<b>\$212,738,260</b>	<b>100.00%</b>

The 2011 capitalization grant was awarded by EPA during the last year.

**Table 4: Capitalization Grants**

		With In-Kind Services	In-Kind Services	Without In-Kind Services	DWNIMS Report
Allotment 1998	Awarded SFY1999	\$12,558,800		\$12,558,800	\$12,558,800
Allotment 1999	Awarded SFY 2000	\$14,585,100		\$14,585,100	\$14,585,100
Allotment 2001	Awarded SFY 2002	\$7,757,000		\$7,757,000	\$7,757,000
Allotment 2002	Awarded SFY 2003	\$7,789,100		\$7,789,100	\$7,789,100
Allotment 2003	Awarded SFY 2004	\$8,052,500	\$10,000	\$8,042,500	\$8,052,500
Allotment 2004	Awarded SFY 2005	\$8,004,100		\$8,004,100	\$8,004,100
Allotment 2005	Awarded SFY 2006	\$8,303,100	\$134,176	\$8,168,924	\$8,303,100
Allotment 2006	Awarded SFY 2007	\$8,285,500		\$8,285,500	\$8,285,500
Allotment 2007	Awarded SFY 2008	\$8,229,300		\$8,229,300	\$8,229,300
Allotment 2008	Awarded SFY 2009	\$8,229,000		\$8,229,000	\$8,229,000
Allotment 2009	Awarded SFY 2009 (ARRA)	\$19,500,000	\$250,000	\$19,250,000	\$19,250,000
Allotment 2009	Awarded SFY 2010	\$8,146,000		\$8,146,000	\$8,146,000
Allotment 2010	Awarded SFY 2011	\$21,719,000	\$428,679	\$21,290,321	\$21,290,321
Allotment 2011	Awarded SFY 2012	\$9,418,000	\$350,000	\$9,068,000	\$9,068,000
	<b>Total Awards</b>	<b>\$150,576,500</b>	<b>\$1,172,855</b>	<b>\$149,403,645</b>	<b>\$149,547,821</b>

**NOTE:** \$21,321 was returned to the state 4% set aside in the Allotment 2010 for a net in-kind service of \$428,679. The original amount was \$450,000.

OEHS has used in-kind services in the past year to supplement its program staff and were effective in achieving the accomplishments of the programs.

The Table 5 describes the in-kind services that were provided by EPA for the following grants:

**Table 5: In-Kind Services**

		<b>In-Kind Services Amount</b>	<b>Description of In-Kind Services</b>
<b>Allotment 1998</b>	<b>Awarded SFY1999</b>	<b>\$0</b>	
<b>Allotment 1999</b>	<b>Awarded SFY 2000</b>	<b>\$0</b>	
<b>Allotment 2001</b>	<b>Awarded SFY 2002</b>	<b>\$0</b>	
<b>Allotment 2002</b>	<b>Awarded SFY 2003</b>	<b>\$10,000</b>	<b>Contract services for Northbridge Environmental's Program Manager (4%)</b>
<b>Allotment 2003</b>	<b>Awarded SFY 2004</b>	<b>\$0</b>	
<b>Allotment 2004</b>	<b>Awarded SFY 2005</b>	<b>\$0</b>	
<b>Allotment 2005</b>	<b>Awarded SFY 2006</b>	<b>\$134,176</b>	<b>Contract services for AWOP/PBT services (10%)</b>
<b>Allotment 2006</b>	<b>Awarded SFY 2007</b>	<b>\$0</b>	
<b>Allotment 2007</b>	<b>Awarded SFY 2008</b>	<b>\$0</b>	
<b>Allotment 2008</b>	<b>Awarded SFY 2009</b>	<b>\$0</b>	
<b>Allotment 2009</b>	<b>Awarded SFY 2009/2010 (ARRA)</b>	<b>\$250,000</b>	<b>Contract services for TetraTech Administration services for ARRA Projects (4%)</b>
<b>Allotment 2009</b>	<b>Awarded SFY 2011</b>	<b>\$0</b>	
<b>Allotment 2010</b>	<b>Awarded SFY 2011</b>	<b>\$228,679</b>	<b>Admin Support of Projects (4%)</b>
<b>Allotment 2010</b>	<b>Awarded SFY 2011</b>	<b>\$200,000</b>	<b>Compliance &amp; Enforcement Support (10%)</b>
<b>Allotment 2011</b>	<b>Awarded SFY 2012</b>	<b>\$74,458</b>	<b>Compliance &amp; Enforcement Support (4%)</b>
<b>Allotment 2011</b>	<b>Awarded SFY 2012</b>	<b>\$150,000</b>	<b>Admin Support of Projects (4%)</b>
<b>Allotment 2011</b>	<b>Awarded SFY 2012</b>	<b>\$25,542</b>	<b>Compliance &amp; Enforcement Support (10%)</b>
<b>Allotment 2011</b>	<b>Awarded SFY 2012</b>	<b>\$100,000</b>	<b>AWOP/PBT (15%)</b>
<b>Total Awards</b>		<b>\$1,172,855</b>	

**Table 6: State Match**

SFY	20% Infrastructure Match (Cash)	10% State Program Match (Cash)	Total State Match (Cash Only Match)	1993 PWSS Overmatch Used As "Gift"	Total State Program Match (Cash+Gift)	Total State Match Pledged
SFY 1999	\$2,511,760	\$700,000	\$3,211,760	\$555,032	\$1,255,032	\$3,766,792
SFY 2000	\$2,917,020	\$700,000	\$3,617,020		\$700,000	\$3,617,020
SFY 2001	\$0	\$0	\$0		\$0	\$0
SFY 2002	\$1,551,400	\$775,700	\$2,327,100		\$775,700	\$2,327,100
SFY 2003	\$1,557,820	\$778,910	\$2,336,730		\$778,910	\$2,336,730
SFY 2004	\$1,610,500	\$805,250	\$2,415,750		\$805,250	\$2,415,750
SFY 2005	\$1,600,820	\$800,410	\$2,401,230		\$800,410	\$2,401,230
SFY 2006	\$1,660,620	\$830,310	\$2,490,930		\$830,310	\$2,490,930
SFY 2007	\$1,657,100	\$828,550	\$2,485,650		\$828,550	\$2,485,650
SFY 2008	\$1,645,860	\$780,870	\$2,426,730	\$42,060	\$822,930	\$2,468,790
SFY 2009	\$1,645,800	\$411,450	\$2,057,250		\$411,450	\$2,057,250
SFY 2009 ARRA	\$0	\$0	\$0		\$0	\$0
SFY 2010	\$1,629,200	\$814,600	\$2,443,800		\$814,600	\$2,443,800
SFY 2011	\$4,343,800	\$873,950	\$5,217,750	\$623,060	\$1,497,010	\$5,840,810
SFY 2012	\$1,883,600	\$700,000	\$2,583,600	\$226,800	\$926,800	\$2,810,400
<b>Total</b>	<b>\$26,215,300</b>	<b>\$9,800,000</b>	<b>\$36,015,300</b>	<b>\$1,446,952</b>	<b>\$11,246,952</b>	<b>\$37,462,252</b>

**Note For State Match:** \$555,032 is designated as the 1993 PWSS Overmatch and is a non-cash contribution known as the "Gift". This Gift can be used for a maximum of half the required 10% state program match up to the total of the full Gift amount for each grant (\$555,032).

**Table 7: Interest Earnings on Investments**

SFY	State Match Fund & Repayment Fund Interest	Repayment Loan Interest
SFY 1999	\$108,512	\$0
SFY 2000	\$302,395	\$0
SFY 2001	\$265,206	\$4,800
SFY 2002	\$92,457	\$72,970
SFY 2003	\$76,941	\$233,638
SFY 2004	\$74,041	\$234,025
SFY 2005	\$167,967	\$249,695
SFY 2006	\$431,314	\$248,906
SFY 2007	\$596,165	\$252,738
SFY 2008	\$552,073	\$238,645
SFY 2009	\$190,439	\$272,718
SFY 2010	\$22,000	\$256,413
SFY 2011	\$31,110	\$287,131
SFY 2012	\$19,680	\$343,312
<b>Total</b>	<b>\$2,930,300</b>	<b>\$2,694,993</b>

**Table 8: Repayments of Original Loans**

SFY	Principal Received
SFY 1999	\$0
SFY 2000	\$8,421
SFY 2001	\$53,815
SFY 2002	\$451,762
SFY 2003	\$890,378
SFY 2004	\$947,644
SFY 2005	\$1,140,160
SFY 2006	\$1,294,447
SFY 2007	\$1,519,204
SFY 2008	\$1,902,131
SFY 2009	\$2,099,644
SFY 2010	\$2,336,127
SFY 2011	\$3,211,890
SFY 2012	\$3,333,763
<b>Total</b>	<b>\$19,189,386</b>

These repayments are placed in a separate account with the WVWDA.

**Table 9: Administration Fees**

SFY	Administration Fees	Interest on Administration Fees
SFY 1999	\$0	\$0
SFY 2000	\$1,273	\$5
SFY 2001	\$7,953	\$191
SFY 2002	\$61,945	\$753
SFY 2003	\$119,288	\$1,857
SFY 2004	\$126,358	\$2,570
SFY 2005	\$152,666	\$8,541
SFY 2006	\$173,786	\$23,571
SFY 2007	\$205,192	\$40,935
SFY 2008	\$261,037	\$42,692
SFY 2009	\$211,964	\$15,383
SFY 2010	\$305,497	\$2,243
SFY 2011	\$347,094	\$3,534
SFY 2012	\$385,769	\$2,540
<b>Total</b>	<b>\$2,359,821</b>	<b>\$144,815</b>

The Administration fees are placed in a separate account with the WVWDA.

**Note for 2012:** SFY2011 Fees were overstated by \$163,966 & were corrected in this table. Last year's number was \$511,060 and it should have been \$347,094.

**Table 10: Sources and Uses of Committed DWTRF Funding (as of end of SFY 2012)**

Sources of Funds	Prior SFY 2012	SFY 2012	Cumulative
Capitalization Grant (w/o In-Kind Services)*	\$140,314,324	\$9,089,321	\$149,403,645
State Match (IJDC MATCH)	\$24,331,700	\$1,883,600	\$26,215,300
Additional State Contributions (1 TO 1 Match Cash)	\$9,100,000	\$700,000	\$9,800,000
Investment Interest Earnings (IJDC Match)	\$2,910,620	\$19,680	\$2,930,300
Principal Repayments	\$15,855,622	\$3,333,763	\$19,189,385
Interest Earnings on Loans	\$2,351,681	\$343,312	\$2,694,993
Administration Fees (see Note 1 below)	\$1,974,053	\$385,769	\$2,359,822
Interest Earning on Admin Fees	\$142,274	\$2,540	\$144,815
Bond Proceeds	\$0	\$0	\$0
Transfers	\$0	\$0	\$0
Total (see Note 2 below)	<b>\$196,980,275</b>	<b>\$15,757,985</b>	<b>\$212,738,260</b>
<b>Uses of Committed Funds</b>			
<b>DWTRF LOAN ACCOUNT BINDING COMMITMENTS</b>			
Large Systems >10,000			
Standard Loans 1452(a) >10,000 pop.	\$31,955,802	\$0	\$31,955,802
Disadvantaged Loans >10,000 pop. (Includes Prin Forg)	\$12,745,236	\$0	\$12,745,236
Large Systems Subtotal	\$44,701,038	\$0	\$44,701,038
Small Systems 1452(a)(2)			
Standard	\$8,921,041	\$6,638,500	\$15,559,541
Disadvantaged Communities 1452(d) (Includes Prin Forg)	\$91,413,359	\$4,382,294	\$95,795,653
Small System Subtotal	\$100,334,400	\$11,020,794	\$111,355,194
Committed Loan Subtotal	\$145,035,438	\$11,020,794	\$156,056,232
Unclosed Loans	\$9,158,179	\$1,104,481	\$10,262,660
Subtotal	<b>\$154,193,617</b>	<b>\$12,125,275</b>	<b>\$166,318,892</b>
<b>SET-ASIDE ACCOUNT WORKPLAN COMMITMENTS</b>			
Technical Assistance (max 2%) 1452 (g)(2)	<b>\$2,420,891</b>	<b>\$185,360</b>	<b>\$2,606,251</b>
State Program Management (max 10%) 1452(g)(2)*	\$9,985,976	\$901,258	\$10,887,234
PWSS Program	-----	-----	-----
Capacity Development	-----	-----	-----
Operator Certification	-----	-----	-----
State Match	\$9,100,000	\$700,000	\$9,800,000
State Program Management Subtotal	<b>\$19,085,976</b>	<b>\$1,601,258</b>	<b>\$20,687,234</b>
Local Assistance/Other State Programs (max. 15%) 1452(k)(2)	-----	-----	-----
Source Water Assessment/Protection	-----	-----	-----
Wellhead Protection	-----	-----	-----
Local Assistance/Other State Programs Subtotal	<b>\$15,181,930</b>	<b>\$1,290,200</b>	<b>\$16,472,130</b>
Total Non-Administrative Set-Aside	<b>\$36,688,797</b>	<b>\$3,076,818</b>	<b>\$39,765,615</b>
<b>DWTRF ADMINISTRATION ACCOUNT COMMITMENTS</b>			
4% Set-Aside 1452(g)(2)	\$3,981,536	\$167,583	\$4,149,119
Fees/4% Investment Interest (see Note 3 below)	\$2,116,325	\$388,309	\$2,504,634
Total Administrative Set-Asides (see Note 4 below)	<b>\$6,097,861</b>	<b>\$555,892</b>	<b>\$6,653,753</b>
<b>TOTAL</b> (see Note 5 below)	<b>\$196,980,275</b>	<b>\$15,757,985</b>	<b>\$212,738,260</b>

All In-Kind Service amounts are not included in Table 10. See Table 5 for list of In-Kind Services.

Note 1: Last year's number for Administration fees (\$2,064,550) was reduced by \$163,966 to \$1,974,053 due to a misunderstanding of accrual versus cash basis of accounting.

Note 2: The change in note 1 changes the total amount from \$197,144,241 to \$196,980,275.

Note 3: The effect of note 1 is also reflected in this line and changes the prior year total from \$2,280,291 to \$2,116,325.

Note 4: The effect of note 3 changes the total administrative set-aside from \$6,261,827 to \$6,119,182.

Note 5: The total of all uses changed from \$197,144,241 to \$196,980,275 as a result of the notes above.

Table 11 shows the West Virginia American Water Settlement Fee as required by the Public Service Commission for their approval to sell water to water systems in the state of Kentucky. These funds will be used for construction projects.

**Table 11: West Virginia American Water Settlement Fee**

	<b>Prior SFY 2012</b>	<b>SFY 2012</b>	<b>Cumulative</b>
User Fees	\$ 286,754	\$ 52,554	\$ 339,308
Interest on User Fees	\$ 21,097	\$ 348	\$ 21,445
Total	\$ 307,851	\$ 52,902	\$ 360,753
Withdrawals	\$ (15,727)	\$ -	\$ (15,727)
<b>ACCOUNT BALANCE</b>	<b>\$ 292,124</b>	<b>\$ 52,902</b>	<b>\$ 345,026</b>

Table 12 below shows West Virginia's actual federal and state match disbursements for current year and cumulative amounts.

**Table 12: Uses of Disbursed DWTRF Funding**

<b>Use of Disbursed Funds</b>	<b>Prior to SFY 2012</b>	<b>During SFY 2012</b>	<b>Cumulative</b>
<b>DWTRF LOAN ACCOUNT</b>			
Large Systems			
Standard Loans 1452(a)	\$23,985,495	\$6,510,973	\$30,496,468
Disadvantaged Communities	\$8,137,263	\$4,093,063	\$12,230,326
Large Systems Subtotal	\$32,122,758	\$10,604,036	\$42,726,794
Small Systems 1452(a)(2)			
Standard Loans	\$10,027,313	\$1,996,444	\$12,023,757
Disadvantaged Communities 1452(d)	\$74,447,525	\$10,538,057	\$84,985,582
Small System Subtotal	\$84,474,838	\$12,534,501	\$97,009,339
<b>Loans Subtotal</b>	<b>\$116,597,596</b>	<b>\$23,138,537</b>	<b>\$139,736,133</b>
<b>SET-ASIDE ACCOUNT</b>			
Technical Assistance (2%) 1452(g)(2)	\$2,068,425	\$182,080	\$2,250,505
State Program Management (10%) 1452(g)(2) Federal Dollars Only	\$9,010,253	\$1,031,202	\$10,041,456
State Program Management (10%) 1452(g)(2) State Dollars Only	\$7,963,441	\$991,644	\$8,955,085
State Program Management Subtotal	\$16,973,694	\$2,022,846	\$18,996,541
Local Assistance/Other State Programs (15%) 1452(k)(2)			
Source Water Assessment/Protection			
Wellhead Protection			
Local Assistance/Other State Programs Subtotal	\$12,585,299	\$2,304,170	\$14,889,469
<b>Non-Administrative Set-Aside Subtotal</b>	<b>\$31,627,418</b>	<b>\$4,509,096</b>	<b>\$36,136,514</b>
<b>DWTRF ADMINISTRATION ACCOUNT COMMITMENTS</b>			
4% Set-Aside 1452(g)(2)	\$3,140,355	\$375,436	\$3,515,791
Fees			
<b>Administrative Subtotal</b>	<b>\$3,140,355</b>	<b>\$375,436</b>	<b>\$3,515,791</b>
<b>TOTAL</b>	<b>\$151,365,369</b>	<b>\$28,023,069</b>	<b>\$179,388,438</b>

Table 13 shows the utilization of the state set-aside and administration funds on a cumulative basis through the end of SFY 2012. Our expenditure rates exceed the national averages for all three non-administrative set-asides. The administrative set-aside is within four percent of the national average. On a cumulative basis of all set-asides, we have expended 90% of all available funds as compared to the cumulative national average of 80%

**Table 13: Set-Aside Utilization for All Grants (Cumulative as of June 30, 2012)**

	<b>Technical Assistance (2%)</b>	<b>DWSRF Administration (4%)</b>	<b>Program Management (10%)</b>	<b>Local Assistance (15%)</b>	<b>Total Set-Asides Including Administration</b>
Cumulative Awarded	\$2,606,251	\$4,149,119	\$10,887,234	\$16,472,130	\$34,114,734
Cumulative Obligated*	\$15,444	\$62,861	\$214,520	\$165,251	\$458,076
% Obligated	0.59%	1.52%	1.97%	1.00%	1.34%
Cumulative Expended	\$ 2,250,495.10	\$ 3,515,790.69	\$ 10,041,455.54	\$ 14,889,468.61	\$30,697,210
% Expended	86.35%	84.74%	92.23%	90.39%	89.98%
% Expended U.S. Average**	76.20%	82.70%	84.70%	74.50%	80.10%

\* Includes obligations using SFY2012 funds

\*\* From prior year data

**Note:** Cumulative awarded and cumulative expended numbers in Table 13 do not include the in-kind service amounts.

## **B. Uses of DWSRF Funds**

The DWSRF has committed or made available \$156,056,232 for construction loans and \$10,262,660 for pending construction loans to public water systems (Table 14). Thru SFY 2012, the program has committed \$39,765,615 for assistance to systems, assistance providers, and the State of West Virginia for set-aside activities. The DWSRF allocated \$6,653,753 from set-aside funding and Administration Fees/Investment Interest to administer project loans.

**Table 14: Allocation of Available Federal Grant Funds**

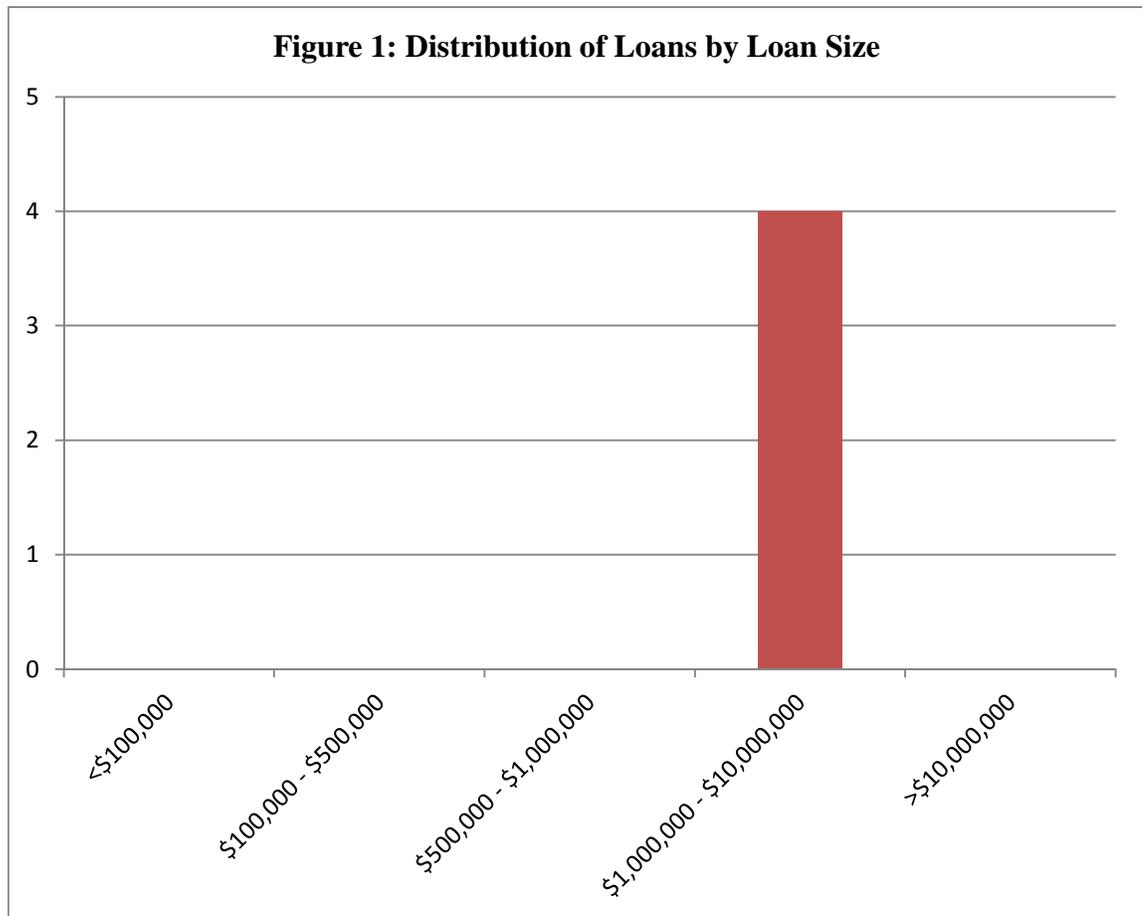
<b>DWSRF Funds</b>	<b>Amount</b>	<b>Percent</b>
Construction Loans (Closed Loans)	\$156,056,232	73.36%
Construction Loans (Pending Loans)	\$10,262,660	4.82%
Set-Asides State & Federal (2%, 10%, 15%)	\$39,765,615	18.69%
Administration (4%) & Administration Fees/Investment Interest	\$6,653,753	3.13%
Total	\$212,738,260	100.00%

### **1. Loan Assistance Status**

The DWTRF entered into four loan agreements with three public water systems totaling \$11,020,794 in this reporting period. The loans ranged in size from \$1,367,839 to \$4,203,500 (See Figure 1). Two loans were closed at 2% interest for 20 years and one loan was closed at 0% interest for 30 years. One loan closed with all principal forgiveness.

Systems receiving the DWTRF loans range in population from 4,431 to 8,323 people. All

four loans totaling \$11,020,794 were designated as equivalency projects and met the conditions of the federal grant program. We have made binding commitments in the amount of \$156,056,232 in DWTRF funds through SFY 2012 (See Appendix A-1).



**a. Binding Commitments**

On a cumulative basis, we have obligated 93.8% of all available loan funds (including interest and repayments) to projects through loan closings. We have issued letters of commitment for an additional \$12,757,689 for projects which have not closed loans (See Appendix A-2). These additional commitments would increase our projected obligations to over 101.5% of all available funds.

**b. Green Project Reserve (GPR)**

During SFY 2012, one project started construction as an eligible Green Project Reserve. The FFY2011 Grant requirement was to provide a minimum of 20% to eligible projects meeting the EPA criteria for categorically approved water or energy efficiency improvements, or business cases that demonstrate water or energy efficiency improvements. The 20% requirement equates to \$1,883,600 of project costs. The one project approved for GPR totaled \$3,885,728 which exceeds the 20%

requirement of the FFY2011 grant. This project is listed and described in Appendix A-5. The cumulative amount of GPR through the fiscal year of this report is shown in Appendix A-6.

**c. Project By-pass**

During SFY 2012, fifteen projects on the Project Priority List were by-passed to provide letters of binding commitments or loans to those projects that were “ready to proceed” as specified by the IUP. One project was selected to meet the Green Project Reserve that was also a grant condition. Of these fifteen by-passed projects, one was already funded in a prior year and three other projects should receive DWTRF funding in the next year. A description of these projects and an explanation for each bypass is included in Appendix A-4. Table 15 shows the projects that were funded and their respective PPL rankings.

**Table 15: SFY 2012 DWTRF Funded Projects (Closed Loans)**

PPL Ranking	Name	PWSID #	DWTRF Base Loan Amount	Principal Forgiveness Amount	Other Funding Sources	Total Project Cost	Project Description	Population Served*	Small System (<10,001)	Disadvantaged Community
10DWTRFB016	City of Wellsburg	WV3300517	\$2,435,000	\$0	\$0	\$2,435,000	The Water System Upgrade Project will rehabilitate the water plant, replace water lines, and replace a booster station. The Water Plant Rehabilitation will include upflow clarifier removal and replacement including aerator; replace filter media (gravel support system and silica sand), and repair filter wash water trough; update the plant control system; chlorine room renovation; chemical feed system improvements; tank inspection and cleaning; backflow prevention for WTP water supply; interior piping replacement for WTP. General plant building improvements (Doors & Windows); water valves; adding spare pumps; and an electrical upgrade to water plant. The water line & booster station replacement includes 4,270 LF of 6" ductile iron water line; upgrade of service settings; rehabilitation of old booster station on the existing site. Environmental benefits will result from this project by improving long-term reliability and reducing or eliminating current operational problems. The improvement of the system reliability would decrease chances of disruption in service and boil water notices because of line breaks and or low water pressure situations. The addition of gate valves within the existing distribution system will enable the City to isolate any problem areas or leaks to minimize the effect on the number of customers.	8,323	Y	N
10DWTRFB018	City of St. Marys	WV3303704	\$4,203,500	\$0	\$0	\$4,203,500	The existing distribution system consists of asbestos cement pipe, cast iron, galvanized & transite pipe located in the older part of the City, where water service has been provided since the early 1900's. The proposed action is to replace the distribution waterlines and upgrade portions of the system where deficiencies have been experienced by existing customers. Any existing waterlines that contain asbestos fibers will be abandoned in place and therefore not pose any health hazards to any workers or city residents. Environmental benefits will result from this project by conserving the available supply of water. The project will address old leaky lines that can allow contamination of public water from untreated groundwater and provide a safe and reliable source of drinking water to the community. The project will eliminate low pressures and eliminate water leaks. Any existing waterlines that contain asbestos will be abandoned in place and therefore not pose any health hazards to any workers or city residents.	6,506	Y	N
10DWTRFB017	Oakland PSD	WV3301517	\$3,014,455	\$0	\$522,000	\$3,536,455	This project consists of the construction of new water treatment facilities and appurtenances for the removal of iron and manganese at the existing Oakland Public Service District (PSD) water treatment plant, the installation of 31,985 linear feet of 8- and 6-inch waterlines, fire hydrants and appurtenances to serve 86 new customers, the erection of a new 375,000 gallon standpipe and the rehabilitation and resurfacing of the existing 100,000 gallon Golden Keys elevated water tank and the 200,000 gallon Wylie Ridge standpipe. The current raw water sources in the Oakland System contain high concentrations of iron and manganese, and the PSD has received water quality complaints from its customers. The Public Service Commission (PSC) of West Virginia has ordered the PSD to develop alternatives for the removal of iron and manganese.	4,431	Y	Y
10DWTRFB017	Oakland PSD	WV3301517	\$1,367,839	\$1,367,839	\$0	\$1,367,839	Same as above.	0	Y	Y
		<b>Total</b>	<b>\$11,020,794</b>	<b>\$1,367,839</b>	<b>\$522,000</b>	<b>\$11,542,794</b>		<b>19,260</b>		

**d. Small Systems**

The Intended Use Plan (IUP) states at least 15% of the funds in the construction DWTRF account must be committed to small systems serving less than 10,000 total persons on an annual basis. West Virginia committed all of the \$11,020,794 in loans to three small systems for the one year period. 100% of the funding committed

during the year went to small systems. Table 16 illustrates the distribution of commitments by system size for SFY 2012. On a cumulative basis West Virginia has committed \$111,355,194 to small systems (71.4% of the construction funds available).

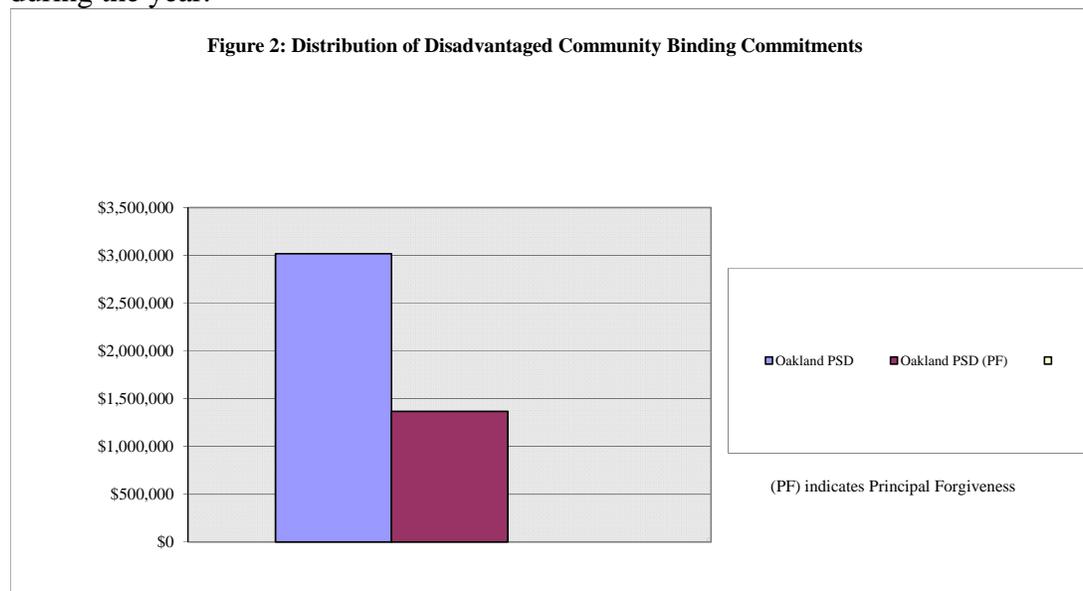
**Table 16: Distribution of Loan Dollars by Population Served**

Population	Dollars	Percent	Cumulative Percent
<500	\$0	0.00%	0.00%
501 to 3,300	\$8,585,794	77.91%	77.91%
3,301 to 10,000	\$2,435,000	22.09%	100.00%
10,001 to 100,000	\$0	0.00%	100.00%
>100,000	\$0	0.00%	100.00%
<b>Total</b>	<b>\$11,020,794</b>	<b>100.00%</b>	

**e. Disadvantaged Community Systems**

The IUP states the DWTRF has a requirement to commit 30% of funds to disadvantaged communities. West Virginia’s DWTRF committed \$4,382,294 (39.8% of committed funds) to disadvantaged systems during SFY 2012. To date, the DWTRF has committed \$108,540,889 (69.5% of cumulative committed funds) to disadvantaged communities. For SFY 2012 this assistance was in the form of 0% loans for extended loan terms of 30 years for base program loans. One loan was in the form of principal forgiveness. Standard loans had terms of 2% over a 20 year period. Administrative fees were waived for all principal forgiveness loans. All repayment loans included a 1% administrative fee.

Figure 2 illustrates the distribution of commitments to disadvantaged communities for SFY 2012. There were two low interest loans and one principal forgiveness loan during the year.



**f. Principal Forgiveness Tracking**

The FFY2011 EPA grant for \$9,418,000 had a requirement that 30% of the grant must be used in the form of principal forgiveness, grants, or negative interest rate loans. This calculates to \$2,825,400 needed to meet the grant requirement. Table 17 below shows the one project that was provided principal forgiveness during the year. There are five projects planned to close loans in the next year that total an additional \$3,292,835 in principal forgiveness. When those loans are closed, the grant requirement will have been met.

**Table 17: Annual Principal Forgiveness Projects**

SFY 2012 Project/Borrower	Project Number	Date Loan Closed	Amount of Principal Forgiveness
Oakland PSD	10DWTRFB017	5/24/2012	\$1,367,839
Total			\$1,367,839

Table 18 shows the cumulative amount of principal forgiveness provided to DWTRF loan recipients and the amount that was over complied.

**Table 18: Cumulative Principal Forgiveness Projects Tracking**

State Fiscal Year	Capitalization Grant Requirement			Principal Forgiveness Provided		
	Annual Awarded Federal Capitalization Amount	Principal Forgiveness Amount Required	Cumulative Principal Forgiveness Amount Required (Does Not Include ARRA After 2010)	Annual Principal Forgiveness Provided	Cumulative Principal Forgiveness Provided (After ARRA)	Amount of Principal Forgiveness Over Complied (After ARRA)
1999	\$ 12,558,800	\$0	\$0	\$0	\$0	\$0
2000	\$ 14,585,100	\$0	\$0	\$0	\$0	\$0
2001		\$0	\$0	\$0	\$0	\$0
2002	\$7,757,000	\$0	\$0	\$0	\$0	\$0
2003	\$7,789,100	\$0	\$0	\$0	\$0	\$0
2004	\$8,052,500	\$0	\$0	\$0	\$0	\$0
2005	\$8,004,100	\$0	\$0	\$0	\$0	\$0
2006	\$8,303,100	\$0	\$0	\$0	\$0	\$0
2007	\$8,285,500	\$0	\$0	\$0	\$0	\$0
2008	\$8,229,300	\$0	\$0	\$0	\$0	\$0
2009	\$8,229,000	\$0	\$0	\$0	\$0	\$0
2009	\$15,600,000	\$9,750,000	\$9,750,000	\$18,950,000	\$0	\$0
2010	\$3,900,000	\$0	\$0	\$0	\$0	\$0
2010	\$8,146,000	\$0	\$0	\$0	\$0	\$0
2011	\$21,719,000	\$4,071,900	\$4,071,900	\$4,252,750	\$4,252,750	\$180,850
2012	\$9,418,000	\$2,825,400	\$6,897,300	\$1,367,839	\$5,620,589	-\$1,276,711

**Note:** ARRA Principal Forgiveness is not included in the cumulative columns.

**g. Project Equivalency Tracking**

Project equivalency is tracked for all DWTRF construction projects. The equivalency is originally predicted in the Intended Use Plan for each capitalization grant. The philosophy of the DWTRF program is to have all projects follow all of the grant requirements unless there is an extreme hardship for a water system. Thus far, all projects have met all the equivalency requirements of the prior grants. Table 19 shows the current year projects and describes their contribution towards equivalency.

**Table 19: Annual Equivalency Projects**

SFY 2012 Project/Borrower	Project Number	Date Loan Closed	Amount of Loan Meeting Equivalency Req'ts	Amount of Loan <u>NOT</u> Meeting Equivalency Req'ts
City of Wellsburg	10DWTRFB016C	3/1/2012	\$2,435,000	\$0
City of St.Marys	10DWTRFB018	1/5/2012	\$4,203,500	\$0
Oakland PSD	10DWTRFB017	5/24/2012	\$3,014,455	\$0
Oakland PSD (PF)	10DWTRFB017	5/24/2012	\$1,367,839	\$0
Total			\$11,020,794	\$0

Table 20 shows the cumulative amount of equivalency tracking for the DWTRF program. Through the current year, the amount of equivalency over complied is \$40,767,321. This amount will be banked until it is needed for water systems that cannot reasonably comply with the grant requirements.

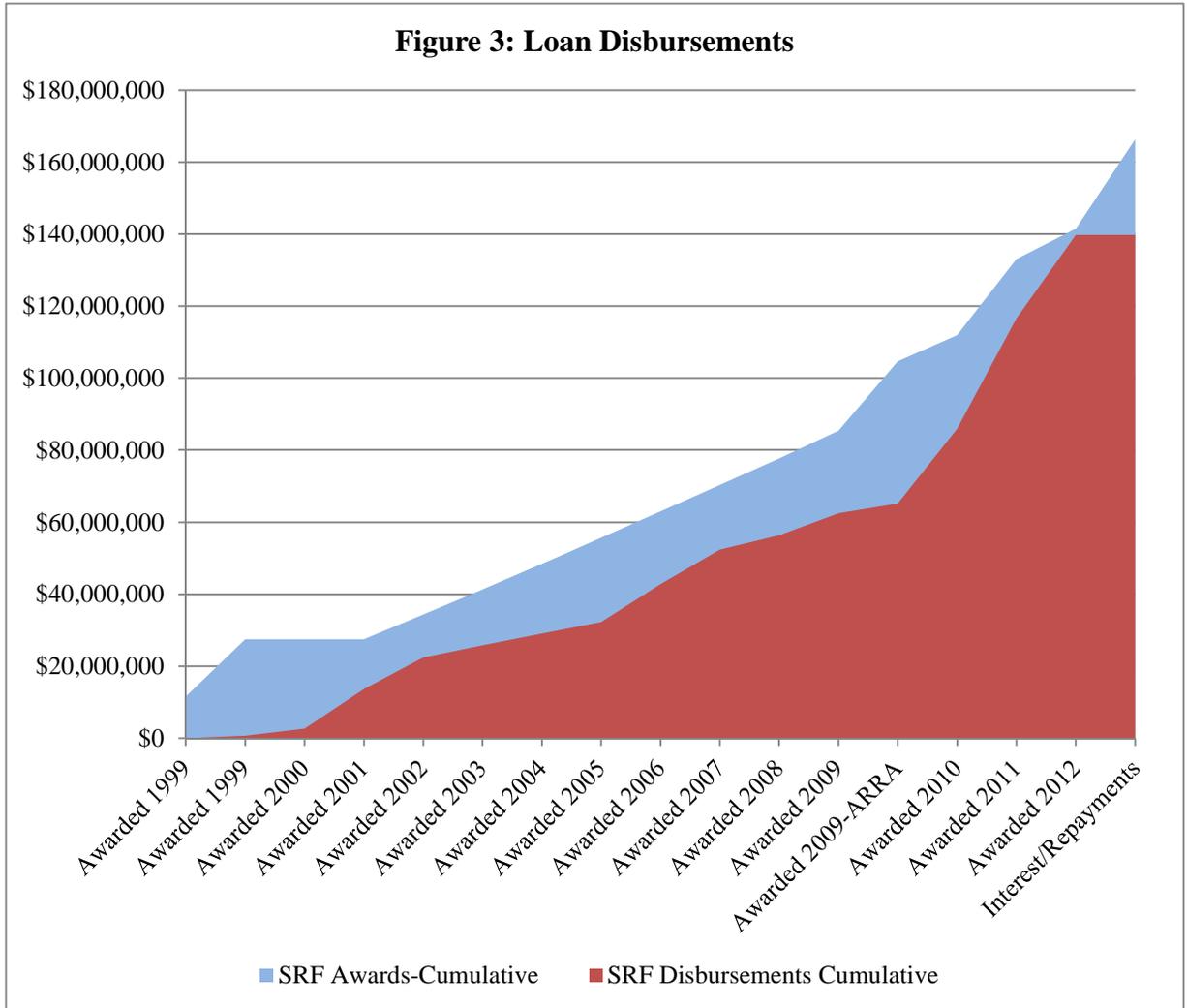
**Table 20: Cumulative Equivalency Projects**

State Fiscal Year	Capitalization Grant		Equivalency Amount		Non-Equivalency Amount		Cumulative Amount of Loan Closings Over Complied
	Annual Awarded Federal Construction Amount	Cumulative Awarded Federal Construction Amount	Annual Loan Closings Meeting Equivalency Req'ts	Cumulative Loan Closings Meeting Equivalency Req'ts	Annual Loan Closings Not Meeting Equivalency Req'ts	Cumulative Loan Closings Not Meeting Equivalency Req'ts	
1999	\$ 9,076,449	\$9,076,449	\$705,400	\$705,400	\$0	\$0	-\$8,371,049
2000	\$ 12,965,142	\$22,041,591	\$6,119,979	\$6,825,379	\$0	\$0	-\$15,216,212
2001		\$22,041,591	\$15,159,761	\$21,985,140	\$0	\$0	-\$56,451
2002	\$5,352,330	\$27,393,921	\$1,686,500	\$23,671,640	\$0	\$0	-\$3,722,281
2003	\$5,374,479	\$32,768,400	\$6,298,495	\$29,970,135	\$0	\$0	-\$2,798,265
2004	\$5,556,225	\$38,324,625	\$3,130,623	\$33,100,758	\$0	\$0	-\$5,223,867
2005	\$5,522,829	\$43,847,454	\$5,334,000	\$38,434,758	\$0	\$0	-\$5,412,696
2006	\$5,729,139	\$49,576,593	\$15,111,213	\$53,545,971	\$0	\$0	\$3,969,378
2007	\$5,716,995	\$55,293,588	\$4,585,500	\$58,131,471	\$0	\$0	\$2,837,883
2008	\$5,678,217	\$60,971,805	\$4,781,838	\$62,913,309	\$0	\$0	\$1,941,504
2009	\$6,089,460	\$67,061,265		\$62,913,309	\$0	\$0	-\$4,147,956
2009	\$15,350,000	\$82,411,265	\$11,875,000	\$74,788,309	\$0	\$0	-\$7,622,956
2010	\$9,520,740	\$91,932,005	\$48,906,379	\$123,694,688	\$0	\$0	\$31,762,683
2011	\$16,811,986	\$108,743,991	\$21,340,750	\$145,035,438	\$0	\$0	\$36,291,447
2012	\$6,544,920	\$115,288,911	\$11,020,794	\$156,056,232	\$0	\$0	\$40,767,321

**h. Loan Disbursements**

West Virginia has cumulatively disbursed \$139,736,133, or 84%, of all available loan funds. This amount includes grant, state match, and repayment funds. The annual loan disbursements totaled \$23,138,537; of which \$686,549 were ARRA disbursements and completes the disbursement of ARRA funds. (Appendix C-1) lists

all loan disbursements. Figure 3 illustrates the disbursed funds compared to available funds. Table 21 shows the annual and cumulative loan awards and disbursements.



**Table 21: Loan Disbursements**

Grant Number	Award Year	Award and State Match Amount	Cumulative Award and State Match	Loan Amount Disbursed	Cumulative Disbursed
4058	Awarded 1999	\$ 11,588,209	\$ 11,588,209	\$ -	\$ -
4501	Awarded 1999	\$ 15,882,162	\$ 27,470,371	\$ 705,400	705,400
	Awarded 2000	\$ -	\$ 27,470,371	\$ 1,963,364	2,668,764
	Awarded 2001	\$ -	\$ 27,470,371	\$ 10,996,862	13,665,626
7515	Awarded 2002	\$ 6,903,730	\$ 34,374,101	\$ 8,757,547	22,423,173
8861	Awarded 2003	\$ 6,932,299	\$ 41,306,400	\$ 3,396,514	25,819,687
9677	Awarded 2004	\$ 7,166,725	\$ 48,473,125	\$ 3,218,460	29,038,147
11516	Awarded 2005	\$ 7,123,649	\$ 55,596,774	\$ 3,241,184	32,279,331
12813	Awarded 2006	\$ 7,389,759	\$ 62,986,533	\$ 10,531,396	42,810,727
14364	Awarded 2007	\$ 7,374,095	\$ 70,360,628	\$ 9,582,506	52,393,233
15384	Awarded 2008	\$ 7,324,077	\$ 77,684,705	\$ 3,968,266	56,361,499
16569	Awarded 2009	\$ 7,735,260	\$ 85,419,965	\$ 6,119,990	62,481,489
17575	Awarded 2009-ARRA	\$ 19,250,000	\$ 104,669,965	\$ 2,691,329	65,172,818
17779	Awarded 2010	\$ 7,249,940	\$ 111,919,905	\$ 20,755,289	85,928,107
19108	Awarded 2011	\$ 21,155,786	\$ 133,075,691	\$ 30,669,489	116,597,596
20419	Awarded 2012	\$ 8,428,520	\$ 141,504,211	\$ 23,138,537	139,736,133
	Interest/Repayments	\$ 24,814,678	\$ 166,318,889		139,736,133
	Disbursements Cumulative	\$ 139,736,133			84.02%
	SFY 2012 Disbursements	\$ 23,138,537			

**Note:** DWTRF awards and disbursements include the State Match. Disbursements include Loan Repayment Monies.

**i. Success Stories –City of Wellsburg, Oakland PSD, and City of St. Marys**

**City of Wellsburg  
Water Improvement Project Design Loan**

**Project Purpose and Public Health Need:**

The City of Wellsburg (City) is located in Brooke County. This project is needed to allow the City to upgrade their water distribution and treatment systems. The City’s existing water distribution and treatment facilities are in need of an upgrade due to the following issues:

- Deteriorated water line along Commerce Street that is in need of replacement.
- The treated water reservoir cover has deteriorated and is in need of replacement.

- The water treatment plant equipment is over 50 years old and is in need of major replacement/upgrades.

**Project Benefits Included the Following:**

The project will result in the following benefits:

- Protection of treated water from contamination from the environment including rain water, windblown debris and animals.
- Protection of potable water storage from potential microbial contaminants such as viruses and bacteria.
- Consistently providing adequate water treatment
- To meet current regulations and protect the public health, the proposed project must be completed.
- The upgrade of the facility improves the ability to provide additional service to unserved residents in their area.
- Will allow the system to continue to provide safe and reliable service to its customers.

**Project Scope:**

The City of Wellsburg project consists of an upgrade to the existing water treatment plant and distribution system. The scope of the proposed project is as noted below:

- Replacement of the floating cover on the existing water storage reservoir
- Addition of gate valves throughout the distribution system to facilitate isolation of areas for repair
- Replacement of approximately 3,000 LF of 6" water line along Commerce Street
- Repairs to the existing booster station No. 2
- Modifications to the Suburban tank.
- Water treatment plant filter media replacement
- Replacement of chemical feed system
- Repair/replacement of upflow clarifier
- Replacement of telemetry valves
- Replacement of meters
- Replacement of carbonator
- Construction of new filter backwash ponds

**Project Financing:**

The total project cost is \$2,650,000. The DWTRF provided a \$215,000 design loan (2% for 20 years with a 1% administration fee) and a DWTRF base loan for \$2,435,000 (2% for 20 years with a 1% administration fee) for the project.

# **Oakland Public Service District Water System Improvements and Line Extension**

## **Project Purpose and Public Health Need:**

The Oakland Public Service District (PSD) is located in Hancock County, West Virginia. The current raw water sources in the Oakland System contain high concentrations of iron and manganese, and the PSD has received water quality complaints from its customers. The Public Service Commission (PSC) of West Virginia has ordered the PSD to develop alternatives for the removal of iron and manganese, including the construction of a treatment facility or purchase water from an adjacent utility. Previous engineering studies have recommended the installation of filters to remove these high concentrations of iron and manganese.

The Environmental Health Services Wheeling District Office's November 10, 2005 Sanitary Survey recommended an evaluation of the inside and outside coating of the existing water storage tanks. The coating has reached the end of its life expectancy. In addition, the existing available water volume in the Oakland System is not sufficient during peak day demands and fire demands. Subsequent engineering studies had recommended both the construction of a new water tank in addition to the rehabilitation of the existing water tank.

At the request of potential customers, new distribution mains are to be extended east of Wylie Ridge Road. The new water mains are to be installed along Chapman Road, Gibson Road, Tope Road, Daniel Drive, Kit Drive, Lowes Drive and a portion of Cameron Hollow Road. A new 375,000-gallon standpipe with an active volume of 78,000 gallons will be constructed on property adjacent to Chapman Road. A new building will be erected at the existing water treatment plant to house new high-rate pressure filters, and the existing water storage tanks will be recoated.

## **Project Benefits Included the Following:**

The benefits that this project will provide to the PSD include upgrades that will improve existing problems such as:

- High levels of iron and manganese
- Insufficient storage capacity for peak demand
- Deteriorating coating on some of the PSD's water storage tanks
- Providing reliable water to residents that are being served by private wells or other collection methods

## **Project Scope:**

This project consists of the construction of new water treatment facilities and appurtenances for the removal of iron and manganese at the existing Oakland Public Service District (PSD) water treatment plant, the installation of 31,985 linear feet of

8- and 6-inch waterlines, fire hydrants and appurtenances to serve 86 new customers, the erection of a new 375,000 gallon standpipe and the rehabilitation and resurfacing of the existing 100,000 gallon Golden Keys elevated water tank and the 200,000 gallon Wylie Ridge standpipe.

**Project Financing:**

The total project cost is \$4,904,294. The DWTRF provided a \$192,000 design loan (0% for 30 years with a 1% administration fee), a base loan for \$3,014,455 (0% for 30 years with a 1% administration fee), and a principal forgiveness loan for \$1,367,839 for the project.

**City of St. Marys  
Waterline Replacement – Phase II**

**Project Purpose and Public Health Need:**

The City of St. Marys (City) is located along WV Route 2 in Pleasants County, West Virginia, approximately 20 miles north of the City of Parkersburg. The City provides water services from two primary groundwater wells, a carbon dioxide stripping type water treatment plant and through a City owned and operated distribution system for approximately 1,120 residential customers.

The existing distribution system consists of asbestos cement pipe, cast iron, galvanized & transite pipe located in the older part of the City, where water service has been provided since the early 1900's. The proposed action is to replace the distribution waterlines and upgrade portions of the system where deficiencies have been experienced by existing customers. Any existing waterlines that contain asbestos fibers will be abandoned in place and therefore not pose any health hazards to any workers or city residents. The City of St. Marys areas that will be included in this project are the old downtown and the Bill's Addition areas. The old downtown area runs from Creel Street to Clay Street, and two blocks west of WV Route 2. The Bill's Addition area is north of the high school and runs from High Street to Grant Street. The intended outcomes are to eliminate the public health hazard caused by the potential to back-siphon contaminated groundwater into the distribution system when waterline breaks occur. The old waterlines are in areas where sewer lines are also deteriorated. The City will rehab the sewer system at the same time as the water system with a different funding source.

The City of St. Marys has experienced a decline in population over the past forty years, but has had an expanded service potential with subdivisions just outside the city limits, so that the demand for water service has increased in recent years. Without this project the City will not be able to serve the demand for water customers with the existing outdated and undersized distribution system. The undersized lines

make fire protection impossible which is viewed as a secondary benefit and greatly affects the growth potential of the area.

**Project Benefits Included the Following:**

The benefits that this project will provide to the City include system wide upgrades to improve existing problems such as:

- Deteriorated and Undersized water lines
- Hillcrest Circle experiences low water pressure
- Inadequate simplex booster station in Hillcrest Circle area
- Inadequate storage tank capacity (e.g., 8,000 gallons)
- Current water loss (e.g., 30%)

**Project Scope:**

The project will consist of the following improvements:

- Approximately 27,000 linear feet of water line
- Add a new booster station
- Add a new 48,000 gallon storage tank, adjacent to existing tank

**Project Financing:**

The total project cost is \$7,740,000. The DWTRF provided a \$4,203,500 loan (2% for 20 years with a 1% administration fee).

**j. Sustainable Infrastructure**

OEHS provides principal forgiveness or low interest loans to only the water systems that have been evaluated and have been determined to be sustainable for the long term future. All projects receiving DWTRF loans have been fully reviewed by the WVIJDC and have been determined to be the best technical and feasible solution to the water problems for the area of the project. The WV PSC performs a rigorous review of the water systems finances and determines an acceptable user rate that maintains the financial integrity of the water system but also does not provide excessive revenues from its customers. The PSC review ensures all operating and maintenance costs will be able to be paid in addition to the debt service incurred by long term capital loans.

The Capacity Development staff conducts assessments for all water systems seeking DWTRF loan funds. This assessment reviews all aspects of the technical,

managerial, and financial capacity of the water system to ensure it will remain sustainable far into the future. If a water system does not have the technical, managerial, and financial capacity to remain a viable water system, DWTRF funds can be used to consolidate water systems or to arrange partnering with regional water suppliers.

Our DWTRF loan program also requires all recipients to implement an Asset Management Program to provide a tool for water system management to determine short term maintenance needs and long term capital projects that will be needed for them to remain a sustainable water system. The asset management requirements have taken on a new life over the past year as water systems wanting SRF funding are now required to hire an engineering firm to assist in the development of asset management plans. It is suggested that systems begin plan development in the months before loan closing and must submit their asset management plans for review before project completion. To support these efforts, a timeline for the development and submission of the various plan stages has been developed. In additions, training sessions are being held with water systems and their engineering firms.

During this reporting period for this year, all of the water systems receiving DWTRF funds were determined to be sustainable systems and the loans provided will help ensure they remain compliant with the SDWA to protect the public health of their customers.

## **2. Set-Aside Activity Status**

The following pages provide an overview of our set-aside activities in the last year. A chart showing set-aside funding status accompanies the description of each set-aside activity located in the next sections. A table of awards and disbursements is also included in each set-aside section. Funds initially specified for use in the Grants but non-disbursed at the end of the SFY are reserved for future disbursement.

### **A. Administration**

The majority of funds from this set-aside pay salaries and fringe benefits of personnel and EPA contractors administering the DWTRF program and current expenses. The state charges a maximum one percent administration fee on projects approved by IJDC prior to July 2011 and reduced the fee to 0.5% for projects approved by IJDC after July 2011. To-date, none of the project administration fees collected has been used for salaries or expenses. This set-aside is primarily associated operating costs of the DWTRF program and expenses incurred by the WDA. OEHS engaged the WDA to manage the DWTRF construction funds, including the accounting and audits of DWTRF construction fund.

This set-aside has provided preliminary planning and evaluation grants to water systems to perform source water quantity and quality studies, drill exploratory wells to determine source feasibility, test system water loss, develop preliminary engineering reports, perform accounting services (needed for funding applications), and for grant administration (maximum 10% of grant). The listing of grant awards is shown at the end

of this section.

Figure 4 shows the administrative set-aside award dollars for the SRF Capitalization grants as well as the amount disbursed through SFY 2012.

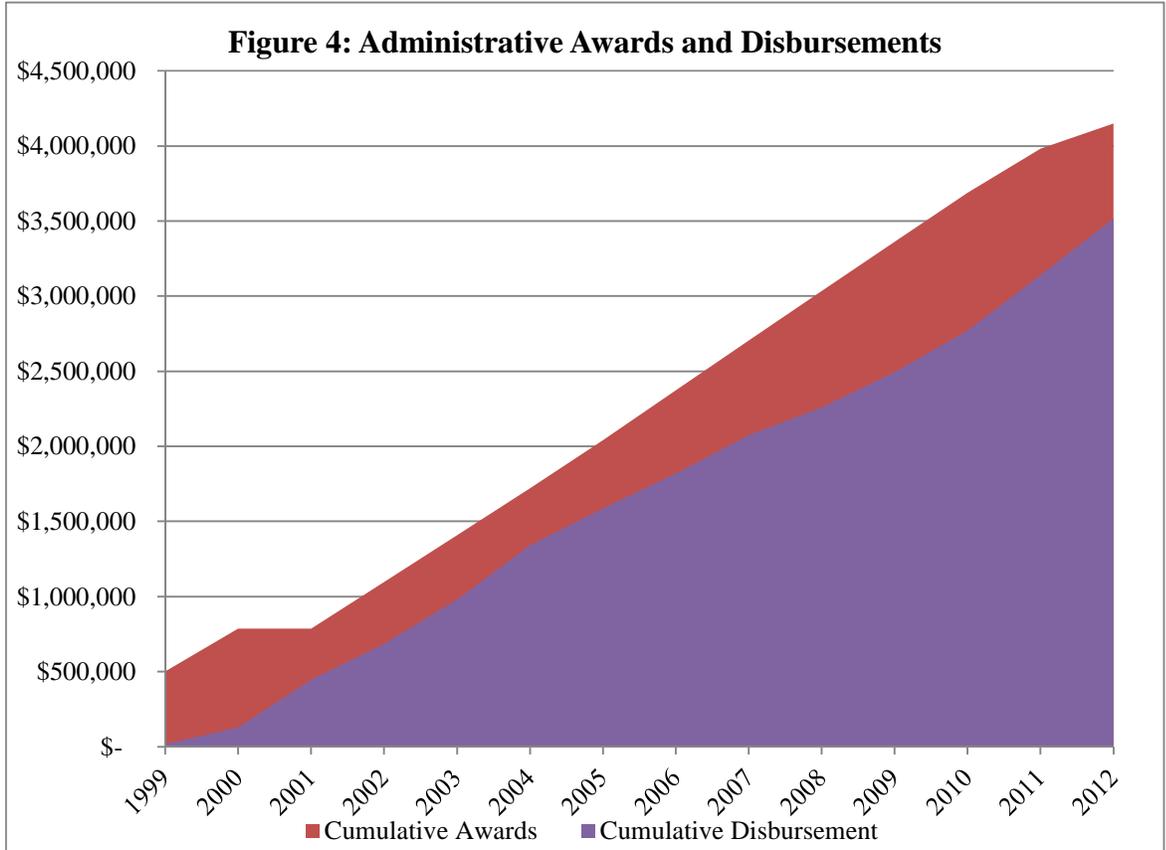


Table 22 shows the annual and cumulative awards and disbursement amounts.

**Table 22: Administrative Awards and Disbursements (4% Set-Aside)**

SFY	Award	Cumulative Awards	Annual Disbursement	Cumulative Disbursement
1999	\$ 501,940	\$ 501,940	\$ 17,556.28	\$ 17,556.28
2000	\$ 284,852	\$ 786,792	\$ 110,971.88	\$ 128,528.16
2001	\$ -	\$ 786,792	\$ 318,588.26	\$ 447,116.42
2002	\$ 310,280	\$ 1,097,072	\$ 237,640.00	\$ 684,756.42
2003	\$ 311,564	\$ 1,408,636	\$ 295,765.79	\$ 980,522.21
2004	\$ 312,100	\$ 1,720,736	\$ 359,504.85	\$ 1,340,027.06
2005	\$ 320,164	\$ 2,040,900	\$ 246,135.00	\$ 1,586,162.06
2006	\$ 332,124	\$ 2,373,024	\$ 233,409.50	\$ 1,819,571.56
2007	\$ 331,420	\$ 2,704,444	\$ 253,389.69	\$ 2,072,961.25
2008	\$ 329,172	\$ 3,033,616	\$ 185,769.04	\$ 2,258,730.29
2009	\$ 329,160	\$ 3,362,776	\$ 235,024.38	\$ 2,493,754.67
2010	\$ 325,840	\$ 3,688,616	\$ 277,979.40	\$ 2,771,734.07
2011	\$ 292,920	\$ 3,981,536	\$ 368,621.04	\$ 3,140,355.11
2012	\$ 167,583	\$ 4,149,119	\$ 375,435.58	\$ 3,515,790.69

**Note:** Awards do not include In-Kind Services for Administration support.

Key administration activities are:

- Development of program procedures;
- Development of a comprehensive list of projects;
- Project selection and development of Intended Use Plans;
- Development of set-aside work plans;
- Preparation of Annual Reports;
- Preparation of DWNIMS;
- Conduct of public hearings for project priority lists and IUPs;
- Preparation of capitalization grant applications;
- Development of Set-Aside Performance Status Reports;
- Completion of DWTRF program audits;
- Memorandum of Understanding with the Water Development Authority for financial management of the construction fund;
- Coordination of DWTRF requirements for the Closing of Loans and review of disbursements and change orders during project construction;
- Coordination of Project Disadvantaged Business Enterprise Requirements and Reporting;
- Meetings with EPA Region III Program Staff;
- Utilize the Financial Planning Model to forecast DWTRF Fund soundness;
- Determination of post construction loan recipient requirements;
- WV Infrastructure and Jobs Development Council Participant.

OEHS used the in-kind services provided by EPA and their contractor to assist in project management for base program and ARRA projects. The EPA contractor assisted in all phases of project management through substantial completion of projects.

The preliminary planning and evaluation grants are being provided to the following water systems:

<b>Grantee Name</b>	<b>Amount of Grant</b>
Fort Gay Water Works	\$50,000
Town of Pocahontas	\$50,000
Wetzel County PSD #1	\$15,000
Town of Chapmanville Water and Sewer Department	\$45,000
Frankfort PSD	\$25,000
Town of Mill Creek	\$20,000
City of Sistersville	\$40,000
Page-Kincaid PSD	\$50,000

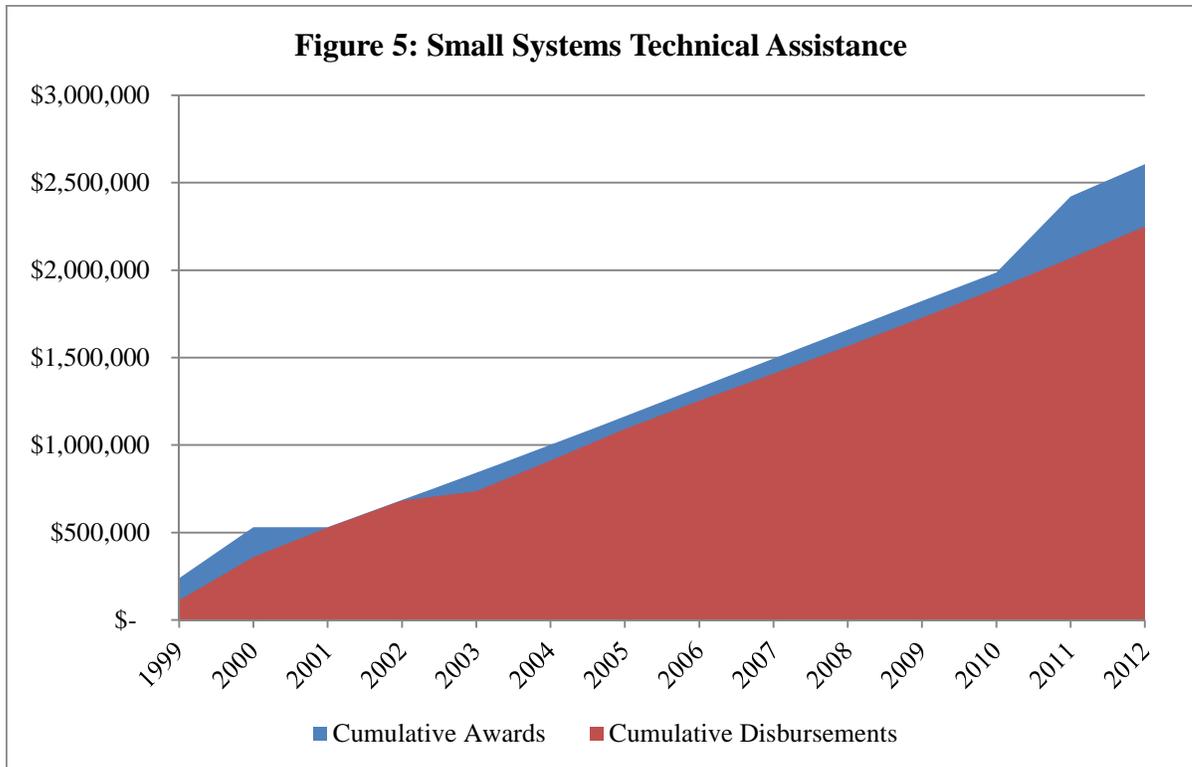
City of McMechen	\$25,000
Weirton Area Water System	\$50,000
Town of Grant Town	\$35,000
<b>Total =</b>	<b>\$405,000</b>

**B. Small Systems Technical Assistance**

Funds from this set-aside supported a contract agreement with the WVRWA in SFY 2012. The WVRWA contract including the Hours for Education and Learning Program (H.E.L.P.) provided the following:

- Forty-five days of certification training at regional locations for Class ID or higher training.
- Forty-seven days of continuing education hours.
- 441 small systems were represented in the certification and continuing education hours training classes.
- The *Mountain State Water Line*, a publication of the WVRWA was issued each quarter.
- Continuation of a statewide network of experienced operators and managers to provide assistance to systems, including emergency response.
- Maintain an audio/video library and Internet Web Home Page Information System.

Figure 5 shows the cumulative awards and disbursements for Small Systems Technical Assistance. Table 23 shows the annual awards and disbursements in addition to the cumulative sums of both.



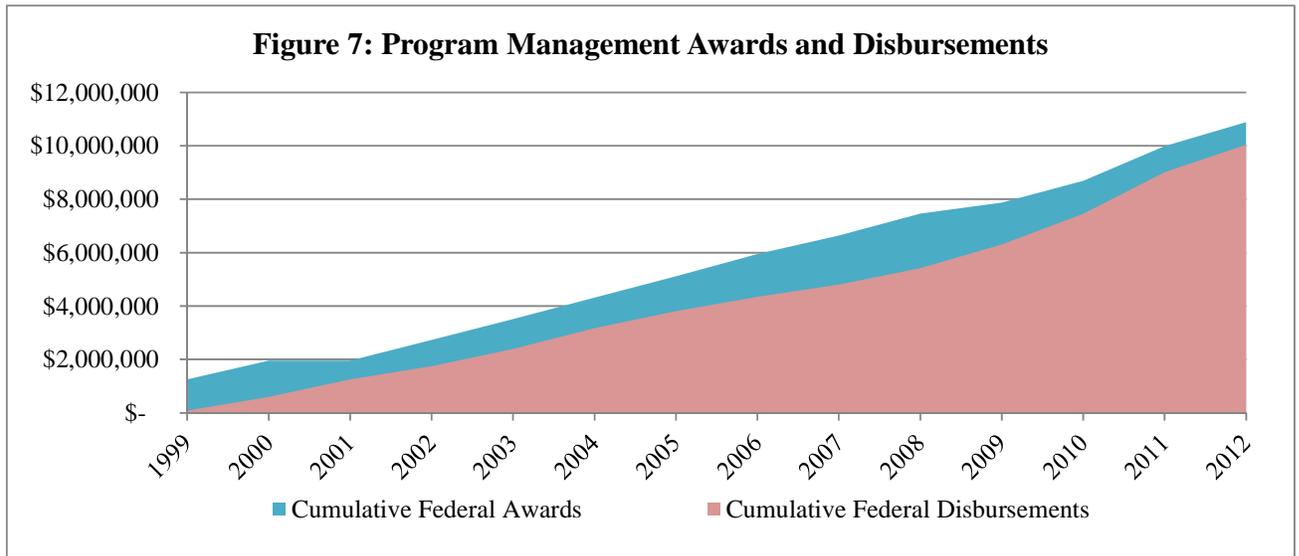
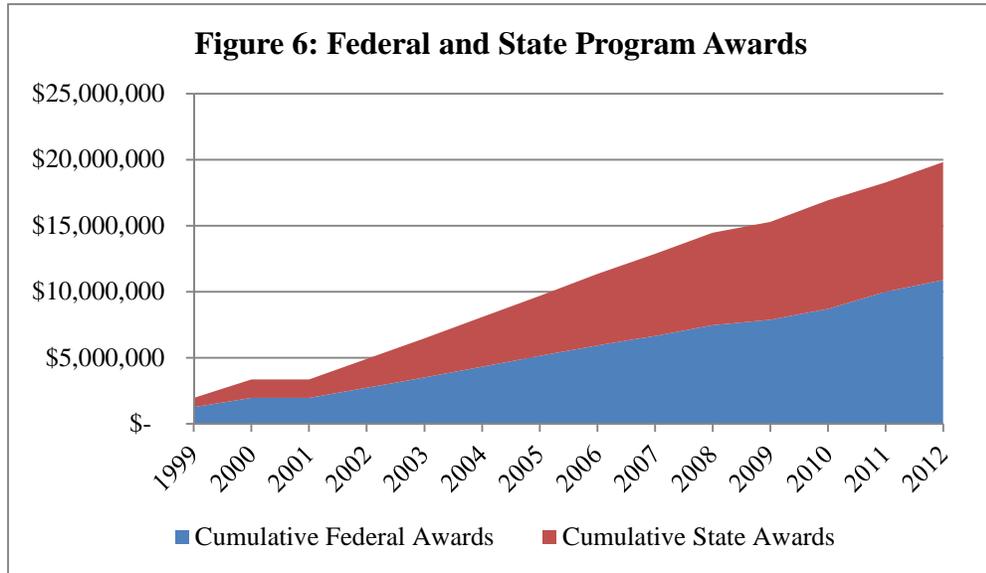
**Table 23: Small Systems Technical Assistance**

SFY	Awards	Cumulative Awards	Disbursed	Cumulative Disbursements
1999	\$ 238,897	\$ 238,897	\$ 112,289.76	\$ 112,289.76
2000	\$ 291,702	\$ 530,599	\$ 247,205.26	\$ 359,495.02
2001	\$ -	\$ 530,599	\$ 168,760.00	\$ 528,255.02
2002	\$ 155,140	\$ 685,739	\$ 153,901.30	\$ 682,156.32
2003	\$ 155,782	\$ 841,521	\$ 53,687.84	\$ 735,844.16
2004	\$ 161,050	\$ 1,002,571	\$ 175,801.44	\$ 911,645.60
2005	\$ 160,082	\$ 1,162,653	\$ 180,111.67	\$ 1,091,757.27
2006	\$ 166,062	\$ 1,328,715	\$ 161,483.01	\$ 1,253,240.28
2007	\$ 165,710	\$ 1,494,425	\$ 155,759.36	\$ 1,408,999.64
2008	\$ 164,586	\$ 1,659,011	\$ 155,819.52	\$ 1,564,819.16
2009	\$ 164,580	\$ 1,823,591	\$ 164,578.00	\$ 1,729,397.16
2010	\$ 162,920	\$ 1,986,511	\$ 164,993.28	\$ 1,894,390.44
2011	\$ 434,380	\$ 2,420,891	\$ 174,024.53	\$ 2,068,414.97
2012	\$ 185,360	\$ 2,606,251	\$ 182,080.13	\$ 2,250,495.10

**C. State Program Management**

West Virginia DWTRF used funds from its state program management set-aside for the Public Water Supply Supervision (PWSS) program, capacity development, and operator certification. Figure 6 shows the relative cumulative state match and federal awards demonstrating the 1:1 ratio of the funds. Figure 7 shows the cumulative awards as compared to the disbursements for program management. This past year there have been disbursements

for the redirected activities in addition to the typical program management activities as seen in the annual and cumulative disbursements shown in Table 24 below.



**Table 24: State Program Management Awards and Disbursements**

SFY	10% Federal Awards	Cumulative Federal Awards	10% State Awards	Cumulative State Awards	Cumulative Federal and State Awards	Annual Federal Disbursements	Cumulative Federal Disbursements	Annual State Disbursements	Cumulative State Disbursements	Total Annual Federal and State Disbursement	Cumulative Federal and State Disbursements
1999	\$ 1,255,032	\$ 1,255,032	\$ 700,000	\$ 700,000	\$ 1,955,032	\$ 87,601.22	\$ 87,601.22	\$ 57,121.34	\$ 57,121.34	\$ 144,722.56	\$ 144,722.56
2000	\$ 700,000	\$ 1,955,032	\$ 700,000	\$ 1,400,000	\$ 3,355,032	\$ 511,253.97	\$ 598,855.19	\$ 349,777.94	\$ 406,899.28	\$ 861,031.91	\$ 1,005,754.47
2001	\$ -	\$ 1,955,032	\$ -	\$ 1,400,000	\$ 3,355,032	\$ 655,258.93	\$ 1,254,114.12	\$ 317,818.27	\$ 724,717.55	\$ 973,077.20	\$ 1,978,831.67
2002	\$ 775,700	\$ 2,730,732	\$ 775,700	\$ 2,175,700	\$ 4,906,432	\$ 495,958.71	\$ 1,750,072.83	\$ 472,265.39	\$ 1,196,982.94	\$ 968,224.10	\$ 2,947,055.77
2003	\$ 778,910	\$ 3,509,642	\$ 778,910	\$ 2,954,610	\$ 6,464,252	\$ 640,508.73	\$ 2,390,581.56	\$ 640,839.46	\$ 1,837,822.40	\$ 1,281,348.19	\$ 4,228,403.96
2004	\$ 805,250	\$ 4,314,892	\$ 805,250	\$ 3,759,860	\$ 8,074,752	\$ 781,313.64	\$ 3,171,895.20	\$ 779,040.76	\$ 2,616,863.16	\$ 1,560,354.40	\$ 5,788,758.36
2005	\$ 800,410	\$ 5,115,302	\$ 800,410	\$ 4,560,270	\$ 9,675,572	\$ 637,878.07	\$ 3,809,773.27	\$ 637,878.05	\$ 3,254,741.21	\$ 1,275,756.12	\$ 7,064,514.48
2006	\$ 830,310	\$ 5,945,612	\$ 830,310	\$ 5,390,580	\$ 11,336,192	\$ 537,212.56	\$ 4,346,985.83	\$ 537,212.53	\$ 3,791,953.74	\$ 1,074,425.09	\$ 8,138,939.57
2007	\$ 694,374	\$ 6,639,986	\$ 828,550	\$ 6,219,130	\$ 12,859,116	\$ 456,522.33	\$ 4,803,508.16	\$ 456,522.30	\$ 4,248,476.04	\$ 913,044.63	\$ 9,051,984.20
2008	\$ 822,930	\$ 7,462,916	\$ 780,870	\$ 7,000,000	\$ 14,462,916	\$ 613,841.35	\$ 5,417,349.51	\$ 613,822.96	\$ 4,862,299.00	\$ 1,227,664.31	\$ 10,279,648.51
2009	\$ 411,450	\$ 7,874,366	\$ 411,450	\$ 7,411,450	\$ 15,285,816	\$ 889,982.03	\$ 6,307,331.54	\$ 755,719.48	\$ 5,618,018.48	\$ 1,645,701.51	\$ 11,925,350.02
2010	\$ 814,600	\$ 8,688,966	\$ 814,600	\$ 8,226,050	\$ 16,915,016	\$ 1,148,335.41	\$ 7,455,666.95	\$ 1,148,335.41	\$ 6,766,353.89	\$ 2,296,670.82	\$ 14,222,020.84
2011	\$ 1,297,010	\$ 9,985,976	\$ 873,950	\$ 8,285,400	\$ 18,271,376	\$ 1,554,586.22	\$ 9,010,253.17	\$ 1,197,087.26	\$ 7,963,441.15	\$ 2,751,673.48	\$ 16,973,694.32
2012	\$ 901,258	\$ 10,887,234	\$ 700,000	\$ 8,926,050	\$ 19,813,284	\$ 1,031,202.37	\$ 10,041,455.54	\$ 991,644.12	\$ 8,955,085.27	\$ 2,022,846.49	\$ 18,996,540.81

**Note:** Awards do not include In-Kind Services for Program Management support.

**1. Public Water Supply Supervision (PWSS) Program**

Program funding assisted the Data Management Unit in providing staff positions to input data management information. These funds were also used to continue the contract with Global Environmental Consultants to assist with the upgrading and implementation of SDWIS.

Funding was also utilized in the OEHS District Offices to conduct sanitary surveys, construction inspections, and to provide technical assistance.

**2. Capacity Development**

During SFY 2012, the OEHS conducted 26 assessments. The Capacity Development unit conducts assessments, when assistance is needed for the following reasons:

- For those systems requesting an assessment to improve their capacity.
- For systems likely to receive DWTRF funding.
- Systems identified by staff as needing capacity improvement.
- Systems identified by other governmental agencies as needing assistance.
- Systems rated marginal or failing on the state baseline report.

The Capacity Development Annual report for FFY 2011 was submitted to the EPA in November 2011 and is available for review. The Capacity Development Report to the Governor was also submitted in September 2011 and is available for review. Capacity Development staff participates in numerous training seminars and workshops. In addition, our staff provides water system’s with resources, tools, templates and guidance to aid systems in boosting both their capacities and their sustainability.

### 3. Operator Certification

During SFY 2012, the Certification and Training Program:

- Received approval by EPA on the WV Operator Certification Program Annual Report (SFY2011) September 30, 2011.
- Submitted the current Annual Program Report (SFY2012) to EPA on June 22, 2012.
- Revised *Public Water Systems Operators* (64CSR04), effective May 2, 2012.
- Reviewed and revised the website as needed to provide operators additional access to forms, certification information, training schedules, study materials, exam dates, regulations, and continuing education information. Supported stakeholder newsletters (i.e. *Mountain State Water Line* by WV RWA and *The Pipeline* by WV PSC) with articles regularly instead of developing a separate Drips and Drops newsletter for all water and wastewater operators to work more efficiently and support cooperation.
- Chaired the CEH committee, which reviewed a total of 274 CEH courses for water operators (267 approved, 6 rejected, and 1 pending).
- Continued participation with the Drinking Water Exam Review Committee (DWERC), comprised of state regulators, educators (WVETC and WVRWA) and higher classification water operators to regularly review and revise operator certification exams to increase training and testing relevance and comply with US EPA requirements. This committee meets monthly and as of June 30, 2012, completed 3 versions of the 1D, Class I, II, III, and IV exams. The committee also conducted the 2012 EPA External Review in Spring 2012.
  - a. The committee is currently reviewing the Association of Boards of Certification resources to determine how best they can complement the existing WV program.
  - b. The DWERC will continue to work towards 3 current versions of each classification exam with references, organized by content areas based on Need-to-Know criteria.
  - c. All exam questions are based on what operators “Need to know” for the job. All information developed by the committee to aid operator training will be posted to the website upon completion.
- Administered the following exams (370 total) during the reporting period:
  - a. 130 1D exams
  - b. 32 Water Distribution exams
  - c. 97 Class I exams
  - d. 55 Class II exams
  - e. 38 Class III exams
  - f. 18 Class IV exams

- Participated in the annual Water Festival held on September 23, 2011; which consisted of hands-on water-related activities with approximately 200 local 4th and 5th grade students in attendance.
- Processed the following certifications:

<b>Number of Operators</b>	<b>Classification</b>
475	1D
126	OIT
76	WD
192	Class I
191	Class II
95	Class III
51	Class IV
<b>1206</b>	<b>Total water operators certified or renewed</b>

- Led the OEHS staff-taught Class I (September 19, 2011 and March 5, 2012) and Class II (October 17, 2011 and April 16, 2012) required water operator certification courses. 53\* students were trained in these Class I water courses and 32 students were trained in the Class II water courses. \*OEHS uses the 2% State Revolving Fund Set-aside funding to provide additional water operator certification training courses through WVRWA. These courses are in addition to the OEHS courses taught twice per year in the spring & fall and are not included in the above totals, but are listed separately.
- In previous reports, the C&T program regularly scheduled and tracked the required 1D training courses taught at the districts by OEHS staff. During spring 2012, C&T changed the process to allow the district offices to lead the 1D training courses and 1D exams needed in their areas as needed, which in some cases is in a one-on-one basis. Since January 2012, there is also a free electronic option of the required 1D operator certification course available. Each individual must take the 1D training course, whether in a traditional classroom setting or electronically, prior to being administered the 1D exam by the district office. Therefore, a better way to quantify the 1D training from here on out is through 1D exams administered not number of courses.
- Provided an exhibit, presentation and/or program representation at the following conferences:
  - a. WV RWA September 2011
  - b. WV Public Health Association September 2011
  - c. ABC Conference January 2012

- d. WV Expo March 2012
- e. EPA National Capacity Development and Operator Certification Workshop June 2012
- f. WV AWWA/WEA May 2012
- Presented as part of the WV Public Service Commission Board Member Seminars on August 19, 2011 and February 24, 2012.
- Nominated operators in the Spring of 2012 for the US EPA Professional Operator Excellence Award and the WV AWWA Perkins Boyton Award.

**A. Goal 1: Use 5% of the ERG for payroll, overhead, and working with the vendors in implementing the workplan.**

1. EPA approved a second ERG timeframe extension through December 31, 2011 to facilitate the timely use of ERG funds within the approved work-plan. ERG ended December 31, 2011 as planned. No further work activity to report or planned.

**B. Goal 2: Trainings held for small system operators to receive CEHs.**

1. Completed the contract with Suncoast Learning Systems, Inc. to provide free, online CEH training thru the vendor's website on December 31, 2009 No additional activity to report or planned. However, these courses are still available on the WV Rural Water Association (WVRWA) website as a CEH training option for a reasonable fee.
2. Completed the contract with e-Train Online, Inc., for service and maintenance on the WV Basics Course on August 31, 2009. No additional activity to report or planned other than continued promotion for the use of the WV Basics Course to all water operators for CEHs.
3. Completed the contract with ContactPointe for the WV Advanced Course on May 31, 2011. No additional activity to report or planned other than continued promotion for the use of the WV Advanced Course to all water operators for CEHs.
4. Completed the contract with E-Train Online, Inc. (EHS11007) on December 31, 2011. Plan to continue maintenance contract (using another funding source) with E-Train Online, Inc. to support the 1<sup>st</sup> year of use of these electronic training courses (Chief Operator, Water Distribution, 1D, and Enhanced Reference Guides).

**C. Goal 3: Using ERG for C&T staff training and travel supportive of ERG.**

1. During this reporting cycle ERG funds were used for in-state travel for staff to attend contractor meetings working on ERG projects.

**D. Goal 4: Backflow Prevention Assembly Test(s)**

1. Completed the contract with WV ETC to provide Backflow Prevention Assembly Inspector/Tester (BPAIT) certification and renewal training on December 31, 2009. WVETC is continuing to offer these types of courses without a contract. No work activity to report or planned.
2. A total of 40 BPAITs certified or recertified and certificates were issued during this reporting period. There are approximately 388 certified BPAITs.
3. Maintaining a website with currently certified BPAITs in WV at: [www.wvdhhr.org/oehs/backflow/default.aspx](http://www.wvdhhr.org/oehs/backflow/default.aspx).

**E. Goal 5: Equipment/Operator Support**

1. Provided in-house equipment needed to facilitate implementation of electronic resources. Canceled a request to purchase CD-ROM duplicator because it could not be completed by December 31, 2011.
2. Maintaining use of the new identification card system for operators at the central and each district office, a total of 6 locations across the state. Continuing to refine implementation of the ID system to improve overall efficiency and customer service.
3. Completed WV RWA contract (EHS11018) to provide a custom built water operator training trailer on August 23, 2011. Purchased water operator training equipment for future use in the trailer by December 31, 2011. Drafting a contract for its future use.

**3. State Program Management Redirection: Grant Supplemental Work Plans**

OEHS submitted a supplemental work plan to effectively use unspent set-aside funds by obtaining contractors to further implement our agency programs or to offer water systems grants to improve their capacity or compliance with the SDWA. These proposed activities were approved by EPA in May 2007 and are being implemented. The activities listed below will be funded by program management set aside funds.

**A. Capacity Development Technical Assistance**

During this fiscal year a vendor was secured to identify community PWS lacking TMF capacity and coordinate assistance. The contractor surveyed PWS's to identify systems lacking TMF capacity and detail their assistance needs. The survey data is supplied to OEHS Capacity Development Program to provide an overall picture of the PWS's TFM capabilities. Systems that indicate needs are provided assistance on the spot in most cases. Those needing more in depth help are referred to Capacity Development for an assessment and additional assistance.

At the end of SFY 2012, 73.7% of the community PWS's had been surveyed with a contract extension to complete the project. The top 4 concerns noted from the PWS are:

- Leak detection and water loss (nearly 50% of system surveyed needed assistance in this topic area. When identified, the contractor arranges for assistance with a WV Rural Water Association Circuit Rider.
- Board member and or management training
- Budgeting
- Policies and procedures

**B. Geographic Information System Mapping**

This activity will create a pilot GPS field measurement water system infrastructure inventory within the southern WV Region I Planning & Development Council (Region I) area. The activity will acquire asset inventory for municipalities and PSD’s within Region I. It will build a pilot Region I Geographic Information System (GIS) mapping for participating public water systems. It will establish a GIS database for system analysis, maintenance planning, and repair facilitation.

It will enable water system GIS data analysis.

The expected outcomes from this activity are:

- Municipalities/PSDs have accurate, geo-referenced inventory used for asset inventory and maintenance.
- State and Federal agencies (if applicable) have inventory for use analyzing system assets and infrastructure efficiency.
- Personnel provided information locating assets for emergency repairs and routine maintenance.
- System administrators provided quality mapping suitable for system planning and other tasks.
- Governmental agencies and others have access to water system mapping information.
- Water systems have a more accurate asset inventory.
- Water system GIS data protected.

The work completed in 2012 was:

<b>Water System</b>	<b>Status</b>
Gap Mills CWS	GIS Mapping is nearly completed.
Green Valley-Glenwood PSD	GIS Mapping completed in October 2011.
Glen Rogers PSD	GIS Mapping started in December 2011.
McDowell County PSD (Phase 2 of the Coalwood Connector)	GIS Mapping completed in December 2011.

McDowell County PSD (Phase 3 of the Coalwood Connector)	GIS Mapping planned to start in January 2012.
Cool Ridge/Flat Top PSD	GIS Mapping completed in December 2011
Town of Lester	GIS Mapping completed in June 2012.
McDowell County PSD (Glen White – Trap Hill Area)	GIS Mapping is 80% complete.
Brenton PSD	GIS Mapping completed in June 2012.
Red Sulphur PSD (Greenville-Wikel Extension Area)	Database information completed – 70% complete.
City of Gary	GIS Mapping completed in May 2012.
City of War	GIS Mapping completed in May 2012.

**C. Area Wide Optimization Program Performance Based Training**

This activity will implement Performance Based Training (PBT) within the EPA’s Region III Area Wide Optimization Program (AWOP) guidelines. It will provide training for public water system operators to optimize their treatment plant performance.

The expected outcomes from this activity are:

- PBT-trained water system operators will optimize water treatment plant operations.
- Optimized water treatment plant performance reduced particle numbers, associated potential contaminants, and disinfection by-product formation.
- Increased knowledge and awareness of water system operator resulting in improved operator capabilities.
- Public health protected with improved operator and water system performance.

A second round of In-Kind Services will provide PBT microbial training and the EPA Region 3 “Train-the-Trainer” Disinfection By-Products (DBP) -PBT series (plus additional certified lab costs) are being pursued to use the remaining redirected funds.

Activities associated with the DBP series include facilitator training completed earlier in 2011; and sessions 1, 2, and 3 conducted in August 2011, January 2012, and August 2012, respectively. Relevant materials include:

- Participation of agency staff in the Regional EPA R3 AWOP “Train the Trainer” meetings regarding the DBP-PBT series involving 5 state drinking

water programs and 18 Water Treatment Plants.

- Conduct water system operator training between the EPA R3 meetings
- Expose and support operators to “special studies” in water plant treatment processes and/or distribution operations.
- Engage OEHS field representatives to facilitate the PBT activities with water operators.

#### **D. Source Water Assistance Program Technical Assistance**

This activity provided a contractor to assist in implementing wellhead and source water protection activities associated with the SWAP program. The contractor provided management and technical assistance to communities, helping develop, update and implement source water protection plans. The contractor developed a local PWS management guidance and PWS contingency plan guidance documents.

The expected outcomes from this activity are:

- Local educational efforts increased source water protection.
- Local communities increased involvement in source water protection efforts and measures.
- Community source water protection efforts and measures improved.
- Guidance documents support additional local efforts.

The Source Water Assistance Program Technical Assistance program has been completed with a total of 165 public water systems reviewed and local protection plans developed for work in our St. Albans, Wheeling, Philippi, Beckley, and Kearneysville District Office areas.

#### **E. Source Water Security Enhancements Grants**

This activity continues to improve PWS’s source water security using grant funding. It will offer grants for enhanced PWS source water security protection such as fencing, cameras, lights, and alarm systems.

The expected outcome from this activity is:

- Public health protected with improved source water security.

A total of seven (7) security grants have been completed from 2007 - 2010. Grant Program scheduling and planning for 2011 was delayed due to a staff reduction. The remaining funds, not previously committed will be utilized in the 2012 Source Water Security Enhancement Grants.

## **F. Source Water Protection Grants**

This activity continues to help implement source water protection activities associated with the SWAP program. It will provide grants to community PWS groundwater systems to establish and implement wellhead protection programs. It will provide grants to surface water community PWS systems, assisting them to establish and implement source water protection programs. Activities will assess and characterize the hydro-geologic setting of water in flooded, abandoned underground coal mines, primarily in southern WV to help determine wellhead protection delineations.

The USGS and WVGES have completed the work to determine water flow paths and recharge rates into an abandoned coal mine in southern West Virginia from overlying strata. They have developed a flow model, accounting for fractured bedrock and mine voids; applicable to other flooded, abandoned, underground mines to help determine wellhead protection delineations.

The expected outcomes from this activity are:

- Communities' source water protection efforts and measures improved.
- The fractured bedrock aquifer conceptual ground water flow model created.
- A water accumulation and movement model developed for flooded abandoned coal mines.
- Aquifer properties and characteristics database significantly revised to include data representing the southern West Virginia mining region.
- A comprehensive report applicable to comparable geologic settings is available.
- Knowledge obtained from the grants source water protection activities for PWSs utilizing abandoned mine water.

From 2007 to 2010 a total of twenty (20) grants contracts were completed. Grant Program scheduling and planning for 2011 was delayed due to a staff reduction. The remaining funds, not previously committed will be utilized in the 2012 Source Water Security Enhancement Grants.

The Hydrologic Coal Mine Study- Project with the USGS, West Virginia Department of Environmental Protection and West Virginia Geological and Economic Survey (WVGES) to study the hydrological flow in abandoned coal mines in McDowell County, West Virginia has been completed.

## **G. Water Distribution and Chief Operator Training**

This activity established and conducted Water Distribution and Chief Operator training through contracts. The contracts:

- Developed materials and held courses in WV;
- Provided and/or arranged for course instructors;

- Scheduled and conducted several years of courses; Developed
- Developed and produced written examinations (Water Distribution only);
- Issued certificates for course completion;
- Maintained course rosters and records; and,
- Provided a post-course evaluation and make appropriate course modifications.

No activity to report during the reporting period because last WD contract renewal 4/1/10 was completed 3/31/11 and last Chief Operator contract renewal 6/15/10 was completed 6/14/11. WV RWA and WV ETC continue to schedule and provide these training courses without a contract. Both are also available electronically.

**H. Annualized Salaries**

**I. Fringe Benefits**

**J. Current Expense**

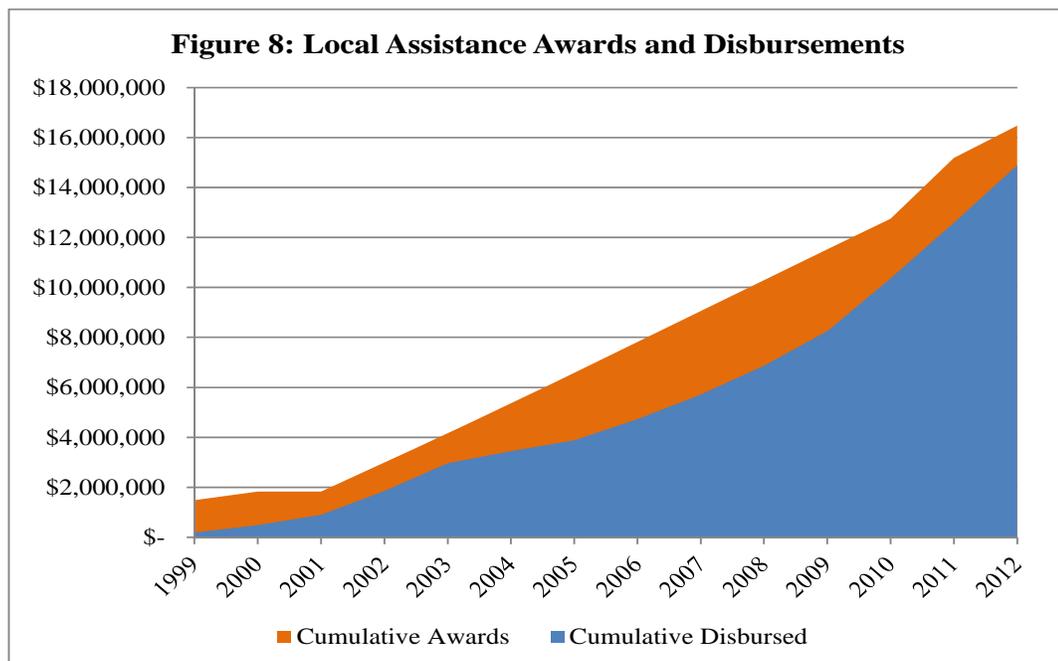
**K. Indirect Costs**

OEHS has expended annualized salaries, fringe benefits, current expense, and indirect costs and resulted in a significant reduction of unobligated grant funds. These expenditures are combined in the annual disbursement charts and tables for the set-asides.

**C. Local Assistance and Other State Programs**

West Virginia utilized local assistance set-aside funds for source water delineation, assessment, and wellhead protection activities.

Figure 8 shows the cumulative grant awards and disbursements through the end of the fiscal year. Table 25 shows the annual and cumulative awards and disbursement for the local assistance set-aside.



**Table 25: Local Assistance Awards and Disbursements**

<b>SFY</b>	<b>Annual Awards</b>	<b>Cumulative Awards</b>	<b>Annual Disbursed</b>	<b>Cumulative Disbursed</b>
1999	\$ 1,486,482	\$ 1,486,482	\$ 188,416.86	\$ 188,416.86
2000	\$ 343,404	\$ 1,829,886	\$ 297,993.93	\$ 486,410.79
2001		\$ 1,829,886	\$ 413,014.89	\$ 899,425.68
2002	\$ 1,163,550	\$ 2,993,436	\$ 957,156.97	\$ 1,856,582.65
2003	\$ 1,168,365	\$ 4,161,801	\$ 1,107,979.46	\$ 2,964,562.11
2004	\$ 1,207,875	\$ 5,369,676	\$ 481,094.91	\$ 3,445,657.02
2005	\$ 1,200,615	\$ 6,570,291	\$ 436,304.95	\$ 3,881,961.97
2006	\$ 1,245,465	\$ 7,815,756	\$ 847,223.24	\$ 4,729,185.21
2007	\$ 1,242,825	\$ 9,058,581	\$ 986,555.79	\$ 5,715,741.00
2008	\$ 1,234,395	\$ 10,292,976	\$ 1,154,174.48	\$ 6,869,915.48
2009	\$ 1,234,350	\$ 11,527,326	\$ 1,384,277.80	\$ 8,254,193.28
2010	\$ 1,221,900	\$ 12,749,226	\$ 2,107,952.20	\$ 10,362,145.48
2011	\$ 2,432,704	\$ 15,181,930	\$ 2,223,153.37	\$ 12,585,298.85
2012	\$ 1,290,200	\$ 16,472,130	\$ 2,304,169.76	\$ 14,889,468.61

**1. Source Water Assessment and Protection (SWAP) Program**

West Virginia used set-aside funds for the SWAP Program. EPA granted final approval of the state program on November 6, 1999. The SWAP program has completed assessments for 100% (delineation through public availability) of the community and non-community public water supply systems.

OEHS continues to complete SWAP studies for new PWS systems within the state and continues to participate and build SWAP protection efforts by prioritizing efforts, program resources, education and outreach efforts in developing and implementing protection measures. Implementation of the SWAP builds on other environmental assessment and protection programs, and requires integrated linkage and cooperation of the WV Wellhead Protection Program (WHPP), the WV Department of Environmental Protection (WVDEP) Watershed Management Framework (WMF) program, and other associated entities.

**a. Ground Water Systems**

EPA approved the West Virginia Well Head Protection Plan (WHPP) in 1992 and OEHS staff has been working with ground water systems since that time. The WHPP includes public participation, source delineations, the potential contaminant survey, and management directives complementing SWAP. New ground water systems must have a completed WHPP and SWAP program.

**b. Surface Water Systems**

All new systems are subject to the complete SWAP process. The WVDEP's WMF and Watershed Assessment Program (WAP) have been implemented to systematically evaluate every watershed within the state. SWAP builds upon this watershed approach.

c. ***Highlights during this reporting period:***

- The WHPP / SWAP Annual Report was completed and submitted to the EPA in August 2012 for FY 2011-2012. Report indicates 72% of the community water supplies and 94% of the population within West Virginia has obtained substantial implementation. Continued to update the source water protection-tracking database, revisions, protection activities and enhancements to the SWAP/WHPP assessments (implemented and/or have substantial implementation status determination) are entered into this database.
- Provided grants through Source Water Protection Grants Program to surface water and groundwater community PWSs to establish and implement water protection programs. Reviewing grant applications for the WV 2012 Source Water Protection Grants Program. Website with information concerning the 2012 SWAP grants program is located at [http://www.wvdhhr.org/oehs/eed/swap/documents/Grants/2012\\_Grant\\_Application.pdf](http://www.wvdhhr.org/oehs/eed/swap/documents/Grants/2012_Grant_Application.pdf). Approximately \$140,000 will be available for distribution to multiple grantees during a one year grant period. Eleven (11) requests for approximately \$118,000 were received by the June 1, 2012 deadline.
- Completion of the Expression of Interest (EOI) “**Source Water Assistance Program Technical Assistance**” contract for implementing wellhead and source water protection activities for community water supplies awarded to two vendors (Potesta and Tetra Tech engineering firms) for work in our St. Albans, Philippi, Wheeling, Beckley, and Kearneysville District Office areas.
- SWAP staff has completed 69 new source water susceptibility reports.
- Public Outreach/Education Activities:
  - The OEHS website at <http://www.wvdhhr.org/oehs/eed/swap/> continues to provide information for the SWAP/WHP programs and guide municipalities, water suppliers, or other groups through developing a local SWAP program. The OEHS website contains fact sheets, new SWAP posters, general information and an updated online SWAP educational course, “A Guide to Developing a Source Water Protection Plan.” The SWAP website is regularly reviewed and updated, which provides PWSs and the public additional access to information.
  - Provide educational materials, posters, and brochures concerning the SWAP/WHP program.
  - Sponsored, provided an exhibit and staff attended the 2011 Groundwater Karst Conference in Jefferson County, WV from September 12 – 14, 2011.
  - Participated and presented a review of the source water protection program at three public information meetings concerning Marcellus oil and gas well drilling sponsored by the WV Agriculture Extension office in October – December 2011.

- OEHS staff presented at the WV AWWA Annual Conference in May 20, 2012 concerning Impacts of Marcellus Shale Drilling Up on Public Water & Wastewater Utilities.
- Staff attended the annual source water protection Potomac Partnership annual meeting on October 3 – 4, 2011, in Maryland and quarterly Potomac SWAP meetings on February 16, 2012 and May 23, 2012.
- Staff attended the SWAP meeting in Jefferson County (Shepherdstown University), WV in association with Potomac Partnership on April 26, 2012.
- Staff attended the 2012 West Virginia GIS Conference, Morgantown, WV May 8-11, 2012.
- Staff attended the National Groundwater Association Emerging Issues in Groundwater Conference in San Antonio, Texas on February 28-29, 2012
- Staff attended the EPA Region 3 SWAP workshop in Williamsburg, Va. on June 5 - 7, 2012.
- A SWAP liaison meeting was held on March 27, 2012, in Charleston WV with various stakeholders, including representatives from the USEPA, WVDEP, WV Agriculture, and WV Rural Water. Approximately 27 individuals attended this meeting.
- Participated in sanitarian and water operator training events during this reporting period, providing an opportunity to review the source water protection program and the importance of protecting our drinking water resources.
- Staff attended and presented material on the source water protection program to the WV Public Service Commission utility board member training seminar on February 24, 2012.
- Staff attended and participated in two workshops, May 9 and June 27, 2012, hosted by Ohio EPA entitled Upper Ohio River source water protection. Systems in Ohio and West Virginia are currently participating.
- Staff attended and presented at a source water meeting hosted by West Virginia Rural Water on May 23, 2012 for area PWS systems. Included was a water plant tour featuring new treatment being added by Morgantown Utility Board—fuzzy filters and membrane filtration.
- The SWAP program offers an educational loan program of groundwater models to schools or watershed groups that complete the Project WET training or are interested in groundwater protection. Information about this program is available on the SWAP website at <http://www.wvdhhr.org/oehs/eed/swap/documents/Groundwater%20Flow%20Model.pdf>. No models were loaned out during this reporting period. Staff is currently reviewing the loan program to possible offer the flow models to local county health departments for educational training.

- Continued to implement and enforce the revised regulations and design standards for private water wells within West Virginia, approved on April 2, 2008, for the protection of groundwater.
  - Staff offered a series of training and review sessions on the water well design standards and regulations across WV from October – November 2011 for water well drillers and pump installers. Approximately 109 well drillers and pump installers attended the training sessions.
  - Staff attended and participated in WV Water Well Driller’s Association Trade Show and conference in Flatwoods, WV on March 7, 2012.
  - Staff attended a geothermal well conference held in Flatwoods, WV on May 22, 2012.
- Continued participation in the WV Alternative Monitoring Strategy Program (AMSP), determining future monitoring frequency reductions and is dependent on having a SWAP/WHP program in place.
- Evaluation of new PWS water wells or intakes to assure they are located in areas where contamination threats are minimal. Permits for new public water wells now require an initial survey for potential sources of contamination within 2,000 feet of proposed well location with site-specific information used when available. Potable Public Water Supply Water Well Permits: 11 permits issued for 15 new potable water wells and 3 permits for 3 wells for abandonment. One geothermal well permit was issued for 48 individual wells, each approximately 450 feet deep.
- Completed project with the USGS, West Virginia Department of Environmental Protection and West Virginia Geological and Economic Survey (WVGES) to study the hydrological flow in abandoned coal mines in McDowell County, West Virginia. Implementations of the approved project tasks are completed.
- Updated the Zone Critical Concern (ZCC) and watershed delineation software used in the Source Water Protection Program. The project integrated new or improved hydrology datasets such as the higher resolution three (3) meter WV Digital Elevation Model maps. Agreement was awarded to the WV University’s Natural Resource Analysis Center and work is completed.
- Revised the current Source Water Protection GIS website (<http://157.182.212.211/DHHR/Default.aspx>) to a newer GIS ArcServer model. This website disseminates relevant source water information to PWSs, state agencies, federal agencies, and local governments to further source water protection. Grant agreement has been awarded to the WV University’s GIS Technical Center and work is completed and continues to be updated with new information.
- SWAP program has discussed source water protection signage usage with the WV Division of Highways (WVDOH) for allowing signs to be posted along state highways along the perimeter of the source water protection areas. At this point, the WVDOH will not allow general installation of source water protection signs

along highways as a large scale effort. However, the WVDOH has agreed to allow signs in a few documented problem areas or highly critical areas with respect to contamination in a water source. We are asking individual PWSs to identify sites that meet these criteria to contact WVDOH or our agency for possible sign installation. We have informed PWSs that we can provide signs for municipality and non-highway use and plan to have signs made for this purpose. 100 source water protection signs have been constructed and are available for local PWS use, 31 signs have been delivered to PWS's for appropriate use.

- It was determined not to pursue the development of a yield and drawdown guidance and procedural manual for private and public water wells through an outside contractor. This will be developed in-house.
- Provided grant funding to the West Virginia Consumer Drug Return Partnership (WVCDRP) to address needed expansion of their existing program, educational and outreach efforts within WV. The goal of this program is to have a drug return collection center accessible to all WV citizens. A grant to support this work has been approved and work is progressing.
- OEHS continues to fund the WV DEP UIC Class V program. Quarterly reports are received from DEP. The Class V program inspected 220 sites, with 118 sites requiring corrective actions, such as plugging floor drains.
- Participated in the River Alert Information Network (RAIN), website at <http://www.3rain.org/>. A meeting that was held on October 28, 2011, in Clarksburg, WV. This meeting was seeking participation from WV PWSs located within the Monongahela River drainage area. Grant program funds have been secured for the provision of ten (10) source water monitoring panels to be installed in ten (10) facilities in or just outside of the Monongahela River Basin through RAIN. These monitors will serve as early detection and warning of degradation of source water for member systems as well as the general public. Monitoring panels have been installed or delivered to the participating PWS's. Project has been completed.

## **2. Wellhead Protection Activities**

Funding from this set-aside supported WHPP activity includes the delineation of recharge areas around public ground water wells, springs, and in some instances mines, as a source of drinking water. Local volunteers survey for potential sources of contamination and land use activities which may have generated past contamination or may generate future contamination. Results of the potential sources of contamination survey are utilized to develop contingency/emergency and land management plans.

## **3. Local Assistance Redirection: Grant Supplemental Work Plans**

OEHS submitted a supplemental work plan to effectively use unspent set-aside funds by obtaining contractors to further implement our agency programs or to offer water systems

grants to improve their capacity or compliance with the SDWA. These proposed activities were approved by EPA in May 2007 and are being implemented.

The activities listed below will be funded (partially or in whole) by local assistance set aside funds.

**A. Capacity Development and SWAP Assistance**

See section 4.A under the State Program Management Redirection: Grant Supplemental Work Plans as this is the same activity partially paid under the Local Assistance set-aside.

**B. Geographic Information System Mapping**

See section 4.B under the State Program Management Redirection: Grant Supplemental Work Plans as this is the same activity partially paid under the Local Assistance set-aside.

**C. Area Wide Optimization Program Performance Based Training**

See section 4.D under the State Program Management Redirection: Grant Supplemental Work Plans as this is the same activity partially paid under the Local Assistance set-aside.

**D. WV Utility Management Institute**

The WV Utility Management Institute (UMI) training is aimed at providing water and waste water operators with the skills and knowledge necessary to successfully manage their utility. The curriculum is complete and consists of 6 modules covering 11 full days of training. The modules cover a variety of topics that include personnel, budgeting, regulation compliance, etc.

Contract bid specifications were developed to find a vendor to provide the course to water operators in WV. However, only one vendor bid on the contract and was later determined to be ineligible. Other alternative methods of course delivery are now being explored and include:

- Revision of the contract specifications to appeal to more vendors
- Giving the curriculum to other agencies and interested parties to hold the course at their expense
- Partnership with the WV Community and Technical College association to provide the course as part of training provided during water and waste water treatment operator training.

At this time, no course of action has been selected and the consideration process is ongoing. Discussions have been held with other state agencies, WV Higher Education staff, and third party assistance agencies.

#### **E. Source Water Protection Grants**

This activity will implement source water protection activities associated with the SWAP program. It will provide grants to community PWS groundwater systems to establish and implement wellhead protection programs. It will provide grants to surface water community PWS systems, assisting them to establish and implement source water protection programs.

Activities will assess and characterize the hydro-geologic setting of water in flooded, abandoned underground coal mines, primarily in southern WV to help determine wellhead protection delineations. It will determine water flow paths and recharge rates into abandoned coal mines from overlying strata. It will develop a flow model, accounting for fractured bedrock and mine voids; applicable to other flooded, abandoned, underground mines to help determine wellhead protection delineations.

The expected outcomes from this activity are:

- Communities' source water protection efforts and measures improved.
- The fractured bedrock aquifer conceptual ground water flow model created.
- A water accumulation and movement model developed for flooded abandoned coal mines.
- Aquifer properties and characteristics database significantly revised to include data representing the southern West Virginia mining region.
- A comprehensive report applicable to comparable geologic settings is available.
- Knowledge obtained increased source water protection activities for PWSs utilizing abandoned mine water.

From 2007 to 2010 a total of twenty (20) grants contracts were completed. Grant Program scheduling and planning for 2011 was delayed due to a staff reduction. The remaining funds, not previously committed will be utilized in the 2012 Source Water Protection Grants.

The Hydrologic Coal Mine Study- Project with the USGS, West Virginia Department of Environmental Protection and West Virginia Geological and Economic Survey (WVGES) to study the hydrological flow in abandoned coal mines in McDowell County, West Virginia has been completed.

#### **F. Project and Planning Design**

This activity will provide grant funds to small water systems to determine their needs

and expedite projects to the construction phase.

It will offer technical assistance grants to private and public community water systems for system assessment. It will offer planning and design grants to private and public community water systems.

The outcomes will be:

- Projects funded and constructed more rapidly.
- Water systems returned to compliance.
- Water systems avoid future non-compliance.
- Water systems' source and infrastructure needs better understood.

During 2012 we completed the initial round of grant agreements that started three years ago. Three water systems were still in progress but have subsequently completed their projects. The three systems were Sugar Creek PSD, Nettie-Leivasy PSD, and Page-Kincaid PSD.

**G. Annualized Salaries**

**H. Fringe Benefits**

**I. Current Expense**

**J. Indirect Costs**

OEHS has expended annualized salaries, fringe benefits, current expense, and indirect costs and resulted in a significant reduction of unobligated grant funds. These expenditures are combined in the annual disbursement charts and tables for the set-asides.

**IV. FINANCIAL SUMMARY**

The following discussion provides additional details on the DWTRF financial management activities.

**A. Status of Loans**

The DWTRF has closed 80 loans (a total of \$156,056,232) through SFY 2012. Appendix A-1 shows the terms and dates of all DWTRF loans scheduled through the end of SFY 2012. The information includes the following: loan amount, interest rate, term, cumulative disbursements, and schedule of principal and interest payments.

**B. Loan Disbursements – Cash Draw Proportionality**

We have disbursed \$139,736,133 for water projects since the program's inception. Appendix C-1 lists each loan-related federal Automated Clearing House (ACH) cash draw, state draws (payments), and disbursements from cash draw activities during SFY 2012. We are using the grant-specific method to determine federal /state proportionality as defined in the *Guide to Using EPA's Automated Clearing House*

*for the Drinking Water State Revolving Fund Program (EPA-832-B98-003).*

**C. Set-Aside Disbursements – Cash Draw Proportionality**

We have disbursed \$30,697,210 of federal set-aside funds since the program's inception. (Tables 18, 19, 20, and 21) list a cumulative total of set-aside-related disbursements for each set-aside. This amount does not include any in-kind services or state match.

**D. Annual Repayment/Aging of Accounts**

The DWTRF program has received a cumulative total of \$19,189,386 in scheduled loan re-payments through the end of the year.

**E. Loan Portfolio Analysis**

The WDA conducts a monthly review of the DWTRF loan portfolio of repayments from the Municipal Bond Commission and identify any potential problems with repayment or reserve accounts. WDA contacts OEHS and we jointly decide what action to take to encourage the water system to reduce any deficiencies.

Letters may be written to the water system owners or a complaint may be made with the PSC. This year's review is stated in the Long Term Goals item 5.c. at the front of this report. Appendix E has a more detailed description of the loan program review process.

**F. Investments**

The DWTRF has earned a total of \$2,930,300 in investment interest (not including Administrative Fee investment interest) by the end of the year as shown in Table 7. The WDA manages these funds in compliance with state investment practices. The OEHS monitors DWTRF investments quarterly to confirm the interest is credited to the DWTRF account in a timely fashion. Management reports from the statewide Financial Management System (FMS) documenting the DWTRF investment earnings are on file at the WDA's office.

**G. Financial Statements**

A DWTRF audit report for SFY 2012, including financial statements, has not been finalized and will be sent as an addendum to this annual report. The audited financial statements will be current through the DWTRF SFY 2012 operation.

**V. COMPLIANCE WITH OPERATING AGREEMENT AND GRANT CONDITIONS**

West Virginia has complied with the conditions of the DWSRF operating agreement. We have met and continue to be in compliance with the following conditions described in the

Operating Agreement. At the end of SFY 2012, the EPA and OEHS are in the process of updating the Operating Agreement with a new format. OEHS will continue to use the existing Operating Agreement until the new one is in place. The existing Operating Agreement contains the following key elements:

**A. Operating Agreement Assurances and Certifications**

1. West Virginia has the authority to establish and operate a fund in accordance with the SDWA. The State of West Virginia established a Drinking water Treatment Revolving Fund under new legislation during the 1997 legislative session entitled “Drinking Water Treatment Revolving Fund” Article 13C, §16-13C-1. The West Virginia Attorney General’s Office concurs with the authority establishing the DWSRF program and the powers it confers are consistent with state law and that the OEHS may legally bind itself to the terms of the capitalization agreement.

The Attorney General also assures that the program will be administered by the OEHS which is authorized to (1) enter into capitalization grant agreements with the EPA, (2) accept capitalization grant awards made under section 1452(a)(1)(A) of the SDWA, and (3) manage the fund in accordance with the requirements and objectives of the SDWA.

2. West Virginia complies with state statutes and regulations.

The DWSRF has complied with all applicable state laws, regulations, procedures, and policies.

3. West Virginia has the technical capability to operate the program.

The OEHS has primacy for the SDWA for the State of West Virginia. The OEHS administers the DWSRF program including both construction and set-aside activities.

4. West Virginia will accept the Capitalization Grant Funds in Accordance with a payment schedule.

The OEHS included in its annual DWSRF grant application a proposed payment schedule which includes both set-aside and construction portions of the DWSRF.

These payment schedules will be supported by the annual IUP. The state accepts grant payments in accordance with the negotiated payment schedule consistent with the IUP.

5. West Virginia deposits all Capitalization Grant Funds in the DWSRF.

The OEHS deposits all capitalization grant funds to the appropriate DWSRF accounts which include the set-aside and construction accounts. The OEHS

maintains identifiable and separate accounts for the set-aside portions of the federal capitalization grant.

6. West Virginia will deposit at Least 20% of Capitalization Grant in the WVIJDC Fund.

The WVIJDC provided \$26,215,300 as the required 20% state match. The state match data is listed in section III.A.2 Table 6 of this report.

7. West Virginia deposits a dollar-for-dollar match, up to ten percent of funds the state uses for set-asides.

The West Virginia legislature appropriates an annual amount of \$700,000 as a cash match against future grant awards. The OEHS has provided \$9,800,000 in cash match for the State Program Management set aside as shown in Table 6. \$555,032 from the 1993 PWSS overmatch is available each year as a non-cash match (Gift) for the State Program Management set aside. Table 6 shows the non-cash matches and the cash match for the 1:1 ratio.

8. West Virginia Deposits All Proceeds into the Fund.

The OEHS deposits all principal and interest payments, net bond proceeds, and returns on investment into the DWTRF per the Code of West Virginia (§16-13C-3).

9. West Virginia Uses Generally Accepted Accounting Principles (GAAP).

The annual report is prepared using cash basis in accordance with our state accounting system.

10. West Virginia had the Annual DWTRF Funds and DWSRF Set-Aside Funds Audited Annually in Accordance with GAGAS.

The accounting firm of Gibbons & Kawash, CPA's conducted an annual audit of the DWTRF but the report has not been finalized at the time of this annual report. The DWTRF audit will address all funding activity from the construction loan account and the administration fee account. The audit of DWTRF construction accounts will be issued as an addendum to this annual report.

11. West Virginia Adopted Policies and Procedures to Assure that Borrowers have a Dedicated Source of Repayment.

Applicants/recipients must furnish financial summaries, including current debts, method of re-payment for debt incurred through participation in the DWTRF program.

All financial summaries are reviewed by the PSC as a requirement for

construction projects involving public utilities in WV. The OEHS also conducts CDA's to assist communities that have or will receive a DWTRF loan in their financial, managerial, and technical capabilities.

12. West Virginia commits and expends funds as efficiently as possible and in an expeditious and timely manner.

West Virginia has committed 93.8% of available loan funds from all Appropriated Capitalization Grants including the 20% State Match and loan repayments. Letters of commitment for an additional \$12,757,689 in unclosed loans have been issued as shown in Appendix A-2. PWS's with binding commitments have moved in an expeditious and timely manner to start construction. The OEHS will be monitoring construction progress to ensure that operations are initiated according to schedule.

Some of the set-aside funds have been redirected to one time activities to expend the unused funds in an expeditious manner. These expenditures have been reviewed with USEPA each time a grant application is submitted and in the PWSS semi-annual report in addition to this annual report.

13. Funds are used in Accordance with the Intended Use Plan.

OEHS prepared an annual IUP, which was included with the annual Capitalization Grant Application. The projects are funded or bypassed in the order as stated in the respective IUP's. Projects on a specific IUP may be active for two or more years before a loan closing is achieved.

14. WV will provide US EPA with Biennial Report and Annual Audit.

The submission of this document on an annual basis, although not required by the EPA/State Operating Agreement, is intended to provide a current evaluation of the DWSRF.

15. West Virginia Complies with all Federal Cross Cutting Authorities.

The OEHS and all of its assistance recipients have complied with all applicable federal cross-cutting authorities.

## **B. Construction**

Appendix C-3 shows the 2012 report for the construction funds based on loans closed during this SFY and their respective Disadvantaged Business Enterprises (DBE) – MBE, WBE, and Small contracts awarded. The OEHS also assists the loan recipient by going to pre-bid and pre-construction meetings to discuss the six-affirmative steps as well as assisting in providing DBE data base information.

As part of the Semi-Annual Reporting Requirements, OEHS identifies the closed

construction loans and obtains quarterly reports from the loan recipients identifying (sub) contracts awarded.

**C. Set Asides**

During SFY 2012, West Virginia has tracked the Set-Aside expenditures and DBE expenditures for the Appropriated Capitalization Set-Aside Funds utilizing spreadsheets as shown in Appendix C-4.

As part of the Quarterly Reporting Requirements, OEHS identifies the set-aside expenditures and identifies the DBE's for all set-asides except the 2% Technical Assistance.

## **APPENDIX A**

**APPENDIX A-1:** SRF Construction Loan Closings

**APPENDIX A-2:** SRF Construction Loan Letters of Commitment

**APPENDIX A-3:** Comprehensive Funding List Summary

**APPENDIX A-4:** By-Passed Project List

**APPENDIX A-5:** Green Project Reserve Annual Project

**APPENDIX A-6:** Green Project Reserve Cumulative Listing

**APPENDIX A-1**

**SRF CONSTRUCTION LOAN CLOSINGS (BINDING COMMITMENTS)**

<b>Loan Receipt</b>	<b>Project No.</b>	<b>Amount</b>	<b>Closing Date</b>	<b>Loan Rate</b>	<b>Admin. Fee</b>	<b>Years</b>	<b>Quarterly Payments*</b>	<b>Admin. Payment</b>	<b>Payment Begins</b>	<b>Payment Ends</b>
Town of Marlinton	98DWTRF003	\$705,400	11/20/1998	0.0%	1.0%	30	\$5,879	\$889	6/1/2000	3/1/2030
Town of Fort Gay	98DWTRF008	\$305,000	7/19/1999	0.0%	1.0%	30	\$2,542	\$384	6/1/2000	3/1/2030
New Haven PSD	98DWTRF010	\$1,241,000	3/2/2000	0.0%	1.0%	30	\$10,342	\$1,564	6/1/2001	3/1/2031
Mason County PSD (Lakin)*	98DWTRF007	\$960,000	6/28/2000	2.0%	1.0%	20	\$14,552	\$1,295	6/1/2001	3/1/2021
New Haven PSD II	98DWTRF010-A	\$767,354	9/21/2000	0.0%	1.0%	30	\$6,395	\$967	9/1/2001	6/1/2031
City of Martinsburg*	98DWTRF009	\$7,564,000	9/26/2000	2.0%	1.0%	20	\$114,950	\$10,200	6/1/2002	3/2/2022
New Haven PSD III	98DWTRF010-B	\$732,646	3/29/2001	0.0%	1.0%	30	\$6,106	\$923	6/1/2002	3/1/2032
Town of Mason*	98DWTRF006	\$650,000	5/10/2001	2.0%	1.0%	20	\$8,868	\$877	3/1/2002	12/1/2021
Danville PSD (Boone County)	99DWTRF006	\$2,130,000	4/26/2000	0.0%	1.0%	30	\$17,750	\$2,685	9/1/2001	6/1/2031
Grandview-Doolin PSD	99DWTRF007	\$1,483,979	5/2/2000	0.0%	1.0%	30	\$12,367	\$1,870	12/1/2001	9/1/2031
City of Gary	99DWTRF010	\$1,786,911	8/1/2000	0.0%	0.5%	30	\$14,891	\$1,126	12/1/2001	9/1/2031
Bluewell PSD	99DWTRF003	\$1,275,000	8/29/2000	0.0%	1.0%	30	\$10,625	\$1,607	12/1/2001	9/1/2031
Clarksburg Water Board*	99DWTRF025	\$2,383,850	4/23/2001	2.0%	1.0%	20	\$33,127	\$3,215	6/1/2002	3/1/2022
Town of Delbarton	99DWTRF005	\$258,000	7/18/2001	0.0%	1.0%	30	\$2,150	\$325	9/1/2002	6/1/2032
River Road PSD*	99DWTRF020	\$1,068,500	10/25/2001	2.0%	1.0%	20	\$13,750	\$1,441	9/1/2002	6/1/2022
Eastern Wyoming PSD	99DWTRF001	\$360,000	10/16/2001	0.0%	1.0%	30	\$3,000	\$454	3/1/2002	12/1/2032
City of Summersville	99DWTRF008	\$2,388,495	12/18/2002	0.0%	1.0%	30	\$19,904	\$3,011	3/1/2005	12/1/2034
Hamrick PSD	99DWTRF009	\$760,000	3/31/2003	0.0%	1.0%	30	\$6,334	\$958	6/1/2004	3/1/2034
Mason County PSD (Camp Conley)*	99DWTRF018	\$602,000	6/8/2004	2.0%	1.0%	20	\$6,139	\$812	6/1/2005	3/1/2025
Town of Bath	00DWTRF004	\$1,150,000	12/3/2002	0.0%	1.0%	30	\$9,584	\$1,449	12/1/2003	9/1/2033
Corp. of Shepherdstown*	00DWTRF012	\$1,300,541	6/13/2003	2.0%	1.0%	20	\$19,765	\$1,754	9/1/2004	6/1/2024
Corp. of Shepherdstown	00DWTRF012	\$699,459	6/13/2003	0.0%	1.0%	30	\$5,829	\$882	3/1/2004	12/1/2034
Town of Franklin	00DWTRF030	\$2,528,623	12/17/2003	0.0%	1.0%	30	\$21,072	\$3,187	3/1/2005	12/1/2034
Eastern Wyoming PSD	99DWTRF001	\$570,000	8/24/04	0.0%	1.0%	30	\$4,750	\$718	3/1/2006	12/1/2035
Town of Wayne	00DWTRF010	\$1,925,000	10/21/04	0.0%	1.0%	30	\$16,042	\$2,426	3/1/2006	12/1/2035
Cowen PSD*	00DWTRF022	\$800,000	12/29/04	2.0%	1.0%	20	\$12,158	\$1,079	9/1/2006	6/1/2026
Cowen PSD	00DWTRF022	\$400,000	12/29/04	0.0%	1.0%	30	\$3,333	\$504	9/1/2006	6/1/2036
Gilmer County PSD	01DWTRF012	\$1,639,000	4/19/05	0.0%	1.0%	30	\$13,659	\$2,066	12/1/2006	9/1/2036
City of Kenova	03DWTRF028	\$9,986,213	9/27/2005	0.0%	1.0%	30	\$83,219	\$12,587	6/1/2007	3/1/2037
Eastern Wyoming PSD-Gulf Project	01DWTRF002	\$2,570,000	1/12/2006	0.0%	1.0%	30	\$21,417	\$3,239	12/1/2007	9/1/2037
City of Wierton (Belleview tank)	04DWTRF038	\$2,555,000	4/25/2006	2.0%	1.0%	20	\$38,829	\$3,445	9/1/2008	6/1/2028
Town of Bath II (Dist waterline)	01DWTRF018	\$1,250,000	8/29/06	0.0%	1.0%	30	\$10,416	\$1,575	6/1/2008	3/1/2038
Town of Masontown	05DWTRFA003	\$635,500	3/12/07	0.0%	1.0%	30	\$5,790	\$684	9/1/2008	6/1/2038
Town of Ceredo	04DWTRF006	\$2,700,000	6/14/07	0.0%	1.0%	30	\$22,500	\$3,403	6/1/2009	3/1/2039
Preston County #1	05DWTRFA013	\$806,838	7/12/07	0.0%	1.0%	30	\$6,723	\$1,017	3/1/2009	12/1/2038
Marshall County PSD #4	05DWTRFA014	\$1,225,000	9/26/07	0.0%	1.0%	30	\$10,208	\$1,544	9/1/2009	6/1/2039
City of Fairmont	05DWTRFA004	\$2,750,000	6/26/08	0.0%	1.0%	30	\$22,916	\$3,466	12/1/2009	9/1/2039
City of Ronceverte	03DWTRF027	\$2,000,000	9/5/08	0.0%	1.0%	30	\$16,667	\$2,521	6/1/2010	3/1/2040
Town of Wardensville	05DWTRFA002	\$1,550,000	12/10/08	0.0%	1.0%	30	\$12,917	\$1,954	6/1/2010	3/1/2040
City of Petersburg (A Bonds)	05DWTRFA009	\$2,700,000	4/16/09	2.0%	1.0%	20	\$41,032	\$3,641	3/1/2011	12/1/2030
City of Petersburg (C Bonds)	05DWTRFA009	\$2,500,000	4/16/09-8/13/2009	0.0%	0.0%	30	\$20,834	\$0	3/1/2011	12/1/2040
City of Petersburg (B Bonds ARRA)	05DWTRFA010	\$2,915,000	4/16/09-8/13/2009	PF	0.0%	10	\$0	\$0	3/1/2011	12/1/2020
City of White Sulphur Springs Design Loa	07DWTRFA001	\$625,000	6/12/09	2.0%	1.0%	20	\$9,498	\$843	9/1/2010	6/1/2030

**APPENDIX A-1**

<b>SRF CONSTRUCTION LOAN CLOSINGS (BINDING COMMITMENTS)</b>										
<b>Loan Receiptent</b>	<b>Project No.</b>	<b>Amount</b>	<b>Closing Date</b>	<b>Loan Rate</b>	<b>Admin. Fee</b>	<b>Years</b>	<b>Quarterly Payments*</b>	<b>Admin. Payment</b>	<b>Payment Begins</b>	<b>Payment Ends</b>
Jane Lew PSD (ARRA)	09DWTRFA026	\$429,399	10/23/2009	PF	0.0%	10	\$0	\$0	3/1/2011	12/1/2021
Jane Lew PSD	09DWTRFA026	\$429,399	10/23/2009	0.0%	0.0%	30	\$3,578	\$0	3/1/2011	12/1/2021
Town of Bath III (ARRA)	07DWTRFA002	\$2,193,910	10/29/2009	PF	0.0%	10	\$0	\$0	6/1/2011	3/1/2021
Town of Bath III	07DWTRFA002	\$2,193,910	10/29/2009	0.0%	0.0%	30	\$18,283	\$0	6/1/2011	3/1/2041
City of Weirton	06DWTRFA003	\$2,496,208	11/19/2009	2.0%	1.0%	20	\$37,935	\$3,366	12/1/2011	9/1/2031
Putnam PSD (ARRA)	09DWTRFA096	\$100,000	12/4/2009	2.0%	0.0%	20	\$1,520	\$0	3/1/2011	12/1/2030
Putnam PSD	09DWTRFA096	\$627,000	12/4/2009	2.0%	0.0%	20	\$9,529	\$0	3/1/2011	12/1/2030
City of Welch (ARRA)	07DWTRFA003	\$625,000	12/18/2009	PF	0.0%	10	\$0	\$0	9/1/2011	6/1/2021
City of Welch	07DWTRFA003	\$625,000	12/18/2009	0.0%	0.0%	30	\$5,209	\$0	9/1/2011	6/1/2041
Sun Valley PSD	05DWTRFA001	\$300,000	1/14/2010	0.0%	0.0%	30	\$2,500	\$0	9/1/2011	6/1/2041
Sun Valley PSD (ARRA)	05DWTRFA001	\$1,773,000	1/14/2010	PF	0.0%	10	\$0	\$0	9/1/2011	6/1/2021
City of Salem	05DWTRFA001	\$900,000	1/14/2010	0.0%	0.0%	30	\$7,500	\$0	9/1/2011	6/1/2041
City of Salem(ARRA)	05DWTRFA001	\$927,000	1/14/2010	PF	0.0%	10	\$0	\$0	9/1/2011	6/1/2021
Coons Run PSD (ARRA)	09DWTRFA008	\$1,200,000	1/27/2010	PF	0.0%	10	\$0	\$0	6/1/2011	3/1/2021
Coons Run PSD	09DWTRFA008	\$1,200,000	1/27/2010	0.0%	0.0%	30	\$10,000	\$0	6/1/2011	3/1/2041
Charles Town, City of (ARRA)	09DWTRFA066	\$100,000	1/13/2010	2.0%	0.0%	20	\$1,520	\$0	6/1/2011	3/1/2031
Charles Town, City of	09DWTRFA066	\$912,458	1/13/2010	2.0%	0.0%	20	\$13,866	\$0	6/1/2011	3/1/2031
Sugar Creek PSD (ARRA)	09DWTRFA035	\$396,500	1/7/2010	PF	0.0%	10	\$0	\$0	6/1/2011	3/1/2021
Sugar Creek PSD	09DWTRFA035	\$312,500	1/7/2010	0.0%	0.0%	30	\$2,605	\$0	6/1/2011	3/1/2041
Whitmer Water Association (ARRA)	09DWTRFA001	\$2,117,573	1/21/2010	PF	0.0%	10	\$0	\$0	12/1/2011	9/1/2021
Whitmer Water Association	09DWTRFA001	\$370,000	1/21/2010	0.0%	0.0%	30	\$3,084	\$0	12/1/2011	9/1/2041
WVAWC Fayette (ARRA)	09DWTRFA089	\$1,925,000	1/28/2010	PF	0.0%	10	\$0	\$0	12/1/2011	9/1/2021
WVAWC Fayette	09DWTRFA089	\$1,925,000	1/28/2010	0.0%	0.0%	20	\$24,063	\$0	12/1/2011	9/1/2031
City of Fairmont (ARRA)	09DWTRFA004	\$4,447,618	1/21/2010	PF	0.0%	10	\$0	\$0	3/1/2012	12/1/2021
City of Fairmont	09DWTRFA004	\$4,447,618	1/21/2010	0.0%	0.0%	30	\$37,064	\$0	3/1/2012	12/1/2041
Morgantown Utility Board (ARRA)	09DWTRFA063	\$100,000	1/28/2010	2.0%	0.0%	20	\$1,520	\$0	12/1/2012	9/1/2032
Morgantown Utility Board	09DWTRFA063	\$9,317,286	1/28/2010	2.0%	0.0%	20	\$141,595	\$0	12/1/2012	9/1/2032
Southwestern PSD	06DWTRFA004	\$6,100,000	3/12/2010	0.0%	1.0%	30	\$50,834	\$7,689	12/1/2011	9/1/2041
City of Wellsburg	10DWTRFB016	\$215,000	10/27/2010	2.0%	1.0%	20	\$3,268	\$290	9/1/2011	6/1/2031
Nettie-Leivasy PSD	06DWTRFA009	\$3,073,000	3/3/2011	0.0%	1.0%	30	\$28,170	\$3,873	12/1/2012	9/1/2042
Parkersburg, City of	10DWTRFA023	\$5,800,000	3/16/2011	2.0%	1.0%	20	\$96,957	\$7,821	3/1/2013	12/1/2032
White Sulphur Springs, City of	10DWTRFA002	\$8,000,000	4/14/2011	0.0%	1.0%	30	\$45,399	\$10,223	12/1/2012	9/1/2042
White Sulphur Springs, City of	10DWTRFA002	\$4,252,750	4/14/2011	PF	0.0%	10	\$0	\$0	12/1/2012	9/1/2022
St. Mary's, City of	10DWTRFB018	\$4,203,500	1/5/2012	2.0%	1.0%	20	\$70,269	\$5,668	12/1/2013	9/1/2033
Wellsburg, City of	10DWTRFB016C	\$2,435,000	3/1/2012	2.0%	1.0%	20	\$40,705	\$328	3/1/2014	12/1/2033
Oakland PSD	10DWTRFB017	\$3,014,455	5/24/2012	0.0%	1.0%	30	\$27,633	\$3,799	6/1/2014	3/1/2044
Oakland PSD	10DWTRFB017	\$1,367,839	5/24/2012	PF	0.0%	0	\$0	\$0	6/1/2014	6/1/2014
<b>Total</b>		<b>\$156,056,232</b>								

\* Includes Principal and Interest. Loans closed after 1/1/2011 include Reserve Fund also.

Total known drinking water infrastructure needs in West Virginia exceed \$725 million based on a West Virginia IJDC 2005 Inventory Report

PF indicates Principal Forgiveness Loan with no repayment

Yellow highlight indicates projects that closed loans in the reporting period.

APPENDIX A-2							
SRF CONSTRUCTION LETTERS OF COMMITMENT							
Loan Receipt	Project No.	BCL Date	Amount	Loan Rate	Years	Current Year Letters of BC Still Outstanding at end of Year	Total Letters of BC Still Outstanding at end of Year
Beverly, Town of	10DWTRFB005	3/15/2011	\$3,850,000	1.0%	30		\$3,850,000
Morgantown - Quarry Run Ext	11DWTRFB010	11/17/2011	\$570,000	1.0%	30	\$570,000	\$570,000
Morgantown - Quarry Run Ext	11DWTRFB010	11/17/2011	\$444,835	PF	-	\$444,835	\$444,835
Southern Jackson PSD	11DWTRFB008	5/21/2012	\$3,140,000	1.0%	30	\$3,140,000	\$3,140,000
Preston County PSD #4	11DWTRFA004	5/30/2012	\$3,903,854	1.0%	30	\$3,903,854	\$3,903,854
Preston County PSD #4	11DWTRFA004	5/30/2012	\$605,000	PF	-	\$605,000	\$605,000
Huttonsville PSD (Design Loan)	11DWTRFA016D	5/7/2012	\$244,000	1.0%	30	\$244,000	\$244,000
<b>TOTAL For This Fiscal Year</b>			<b>\$12,757,689</b>			<b>\$8,907,689</b>	<b>\$12,757,689</b>

Yellow highlight indicates the letter of Binding Commitment was issued in the reporting year.

## APPENDIX A-3: COMPREHENSIVE PROJECT LIST

### WEST VIRGINIA 11DWTRFB PROJECT PRIORITY LIST (PPL)/COMPREHENSIVE LIST

**NOTE: Yellow Highlight indicates the project was funded this year.**

RANKING	SYSTEM	PROJECT NAME	PROJECT DESCRIPTION	DISADVANTAGED	NEW POPULATION	DWTRF FUNDING REQUESTED	TOTAL COST
1	Jefferson Utilities/ Jefferson County PSD	Mountain Water Project Formerly Phase 1 - (Blue Ridge Mountain Water Systems) Public/Private Partnership	Replacement of the Keyes Ferry Acres, Westridge Hills, Harpers Ferry Campsites distribution systems and wells.	Yes	915	\$14,450,000	\$14,450,000
2	Pratt, Town of	Repair leaks, new valves, fencing, improved raw water intake and chlorine alarm	Project will repair leaks and improve pressure and fire flow. New valves will improve system control. Fencing will provide security to tank sites. Project will improve raw water intake and provide a chlorine alarm in the chlorine room and office.	No	1,113	\$1,700,000	\$1,700,000
3	City of Shinnston	10" Waterline Replacement	Replace some of the main transmission lines and rehabilitate the raw water intake. Replace existing water lines with approximately 8.7 miles of waterline, including two (2) river crossings, raw water intake upgrades, install various valves and appurtenances.	Yes	5,381	\$3,180,000	\$3,180,000
4	Preston County PSD #4	WTP Upgrade and Distribution Extension	This preliminary application will serve 80 new customers by constructing approximately 10.3 miles of new waterline [1,403 LF of 3/4"; 12,060 LF of 2"; 2,075 LF of 4"; 6,700 LF of 6"; 33,039 LF of 8"] with upgrades to pumps and tanks' telemetry,; and to upgrade the existing water treatment plant and install various valves and appurtenances. There are approximately 952 existing customers in this system. The plant upgrade will consist of adding a third water filter to increase the capacity of the plant from 750 gpm to 1,050 gpm. The elements included in this upgrade are the filter, overhead crane extension, interior piping, a third backwash basin, catwalks, new control system to all filters to operate seamlessly, computer and software upgrades as well as piping in the yard area for connection of the new clear well tank	Yes	2,477	\$3,700,000	\$3,700,000
5	Cowen PSD	Distribution System Upgrade and Replacement	Upgrade and Replacement of 4480 lf of 2" waterline, 480 lf of 4", 890 lf of 6". Rplace 1000 meters and 2 fire hydrants	Yes	2,717	\$500,000	\$1,000,000
6	Ellenboro - Lamberton PSD	Union and Victory Ridge Water	Extension of water service to approximately 45 new customers that currently rely on private water sources such as wells, cisterns and hauling water.	Yes	648	\$1,200,000	\$1,200,000
7	Burnsville Public Utility Board	Burnsville Public Utility Board	Extend service to 113 new customers with extensions Northwest along County Route 5 and Northeast along County Route 1, along with system improvements to the existing water distribution system.	Yes	1,123	\$12,000 loan 500,00 debt forgivness	\$4,331,000

8	Southern Jackson County PSD	Water Distribution System Upgrade and Extension Project	The Jim Ridge Booster Station is operating at full capacity and is in need of modifications to increase capacity. The Mountain View Storage Tank cannot maintain a full operating level due to being served by undersized transmission mains within the distribution system and the existing 6" transmission main proceeding south along County Route 21 from the Coleman Run Booster Station is insufficient to provide service to the southern half of the system and is in need of replacement. The proposed upgrade to the Southern Jackson County PSD Water Distribution System consists of the replacement of approximately 30,000 l.f. of 12", 10", 8" and 6" water main; installation of a 100,000-gallon storage tank; upgrading of the Jim Ridge Booster Station, and construction of necessary appurtenances.	Yes	5,518	\$3,670,000	\$3,670,000
9	Mineral Wells PSD	Proposed Water System Improvements and Extension Project	Extension of public water service to approximately 75 households in southern Wood County.	No	5,954	\$2,050,000	\$2,050,000
10	Morgantown Utility Board	Quarry Run/Whispering Woods Waterline Extension	Extend existing water system through the Whispering Woods subdivisions and along Quarry Run Road to connect 46 new customers.	Yes	55,142	\$1,014,835	\$2,275,126
11	Camden-On-Gauley	Camden-On-Gauley -- construct line, gate valves, fire hydrants	Construct water line, river crossing, gate valves meter settings, fire hydrants, blow-off hydrants, rehabilitate storage tank and all necessary appurtenances.	Yes	442	\$1,402,000	\$2,902,000
12	Gilmer County PSD	Cox's Mill Water Line Extension	15 mile waterline extension, from Troy/Lynn distribution system, ranging from 6" to 2" to the Cox Mills area, in addition a new 50 gpm booster pump station and new 56,000 gallon water storage tank.	Yes	1,764	\$1,725,000	\$3,255,000
13	Huttonsville PSD - (Valley Head & Mingo)	Huttonsville PSD - (Valley Head & Mingo)	Extend water service to 330 customers in the Valley Head, Mingo, Back Road, Shavers Run and Right Fork of Mill Creek areas; install approximately 21.36 miles of waterline; renovate and relocate existing booster station and water storage tanks.	Yes	2,705	\$3,900,000	\$6,925,000
14	Capon Bridge, Town of	Capon Bridge, Town of	Water line and booster pump station replacements to reduce water loss and increase water system reliability.	Yes	720	\$2,482,000	\$2,482,000
15	Stonewood, City of	Distribution System Improvements	This municipality's water system has 42% water loss from deteriorated leaking lines. This project will replace approximately eight miles of water line to prevent future breaks, outages, and boil water notices.	Yes	2,206	\$3,250,000	\$3,750,000
16	Fairmont, City of	Automatic Meter Reads	Install AMI meters; install leak detection equipment; install master meters to do water balances.	Yes	32,622	\$3,780,000	\$4,780,000
17	Town of Worthington	Four States Water Line Replacement	This project will upgrade the current water distribution system in the Four States Area. The water distribution system in the area has an unaccounted for water loss of about 85%. This project will include the replacement of approximately 5.8 miles of 6" and 2" water line and other necessary valves and appurtenances.	Yes	2,813	\$1,560,000	\$1,560,000
18	Hardy County PSD	Trough Road Line Replacement	Replacement of water lines along Trough Road	Yes	4,246	\$161,766	\$161,766

19	City of Sistersville	Water System Improvements	Water System Improvements	Yes	0	\$1,500,000	\$1,500,000
20	Pleasants County PSD	Hebron Road - Beech Run Water Extension	Project consists of extending public water service to approximately 65 new customers that currently rely on private water sources such as wells, cisterns and hauling water. The project was cut from a previous construction project and is designed.	No	156	\$400,000	\$400,000
21	Jefferson County PSD	Glen Haven Water System Improvements	Water System Improvements	Yes	163	\$350,000	\$1,600,000
22	Jefferson County PSD	Cavaland Water Systems Improvements	Water System Improvements	Yes	163	\$200,000	\$1,050,000
23	Elizabeth, Town Of	Lynn Camp Road Water Extension	Project consists of extending public water service to approximately 25 households in Wirt County that currently rely on private water sources such as wells, cisterns and hauling water. The project is designed and ready to bid.	No	1,644	\$1,000,000	\$1,000,000
24	Lubeck PSD	Radio Read Water Meters	Install radio read meters.	Yes	10,075	\$3,300,000	\$3,300,000
25	Kanawha Co. RDA WVAW Upper Kanawha Valley	Upper Kanawha Valley Water System Improvements Phase 1	This project will reinforce the water distribution system from the Kanawha Valley Water Plant along Route 60 to allow for the ultimate elimination of the Montgomery WTP, Pratt WTP, and Cedar Grove WTP.	Yes	240,000	\$5,000,000	\$5,000,000

## APPENDIX A-4: BYPASSED PROJECT LIST

### WEST VIRGINIA 10DWTRFB PROJECT PRIORITY LIST (PPL)/COMPREHENSIVE LIST

RANKING	SYSTEM	PROJECT NAME	PROJECT DESCRIPTION	TOTAL COST	BYPASS RATIONALE
1	Jefferson Utilities	Phase 1 - Blue Ridge Mountain Water Systems Public/Private Partnership	Replacement of the Keyes Ferry Acres, Westridge Hills, Harpers Ferry Campsites distribution systems and wells.	\$14,450,000	In Design; not ready to proceed
2	City of White Sulphur Springs	Water Plant and Distribution System Improvements	This project will rehabilitate the existing water treatment plant and distribution system. The project will install a second treatment train to provide redundant capabilities and reduce its 20+ hour per day operation to allow for maintenance repairs. The distribution system has 60% water loss as a result of deteriorated lines causing water outages and boil water notices. Much of the pipe is made of asbestos cement and exposes workers to an asbestos health hazard during repairs. Most of the lines are 50+ years old and has built up deposits in the lines reducing system pressures below acceptable standards.	\$12,252,750	Funded this project
3	Kanawha County Regional Development Authority (Olcott / Alum Creek)	Kanawha County Regional Development Authority (Olcott / Alum Creek Areas)	Extend water service to the Olcott and Alum Creek areas of Kanawha County from the WVAW - Kanawha Valley Distribution System. The project will serve 204 families who have very poor water due to low amounts, fecal coliform or poor aesthetic quality. The project consists of 65,000 feet of main and includes 30 hydrants.	\$3,230,000	Not Ready to Proceed
4	Pratt, Town of	Repair leaks, new valves, fencing, improved raw water intake and chlorine alarm	Project will repair leaks and improve pressure and fire flow. New valves will improve system control. Fencing will provide security to tank sites. Project will improve raw water intake and provide a chlorine alarm in the chlorine room and office.	\$1,639,500	Not Ready to Proceed
5	Beverly, Town of	Upgrade of Water Treatment Plant & Distribution System	Repair and rehabilitate existing 500 GPM water treatment plant, establish emergency water connection to Huttonsville PSD, connect Dodson Run and Files Creek waterlines to King's Run waterlines.	\$3,800,000	Issued Letter of Binding Commitment
6	Rivesville, Town of	Water system upgrade	Upgrade water system, replace stream crossings, perform storage system repairs and improve fire flows to the Town residents. Extensions include two streets in town which will serve approximately 5 new customers.	\$5,085,276	Not Ready to Proceed
7	City of Shinnston	10" Waterline Replacement	10" Waterline Replacement	\$3,207,750	Not Ready to Proceed
8	Webster County Commission / EDA	Diana Phase I Extension	Diana Phase I water main extension project to extend water service from Webster Springs to Diana	\$3,000,000	Alternate funding used for this project
9	Camden-On-Gauley	Camden-On-Gauley -- construct line, gate valves, fire hydrants	Construct water line, river crossing, gate valves meter settings, fire hydrants, blow-off hydrants, rehabilitate storage tank and all necessary appurtenances.	\$2,902,000	Not Ready to Proceed
10	Gilmer County PSD	Cox's Mill Water Line Extension	15 mile waterline extension, from Troy/Lynn distribution system, ranging from 6" to 2" to the Cox Mills area, in addition a new 50 gpm booster pump station and new 56,000 gallon water storage tank.	\$3,255,000	Not Ready to Proceed
11	Marshall County PSD #4	Adeline Water Line Extension	The proposed project is an extension to the Adeline area of Fish Creek. The project will include approximately 7,500 LF of 4" water line, approximately 3,300 LF of 2" water line	\$300,000	Issued Letter of Binding Commitment
12	Nettie-Leivasy PSD	Nettie Leivasy PSD (Phase II) Extension from Summersville to Canvas area	Waterline extension to serve Carl and Green Valley.	\$3,153,000	Not Ready to Proceed

## APPENDIX A-4: BYPASSED PROJECT LIST

### WEST VIRGINIA 10DWTRFB PROJECT PRIORITY LIST (PPL)/COMPREHENSIVE LIST

RANKING	SYSTEM	PROJECT NAME	PROJECT DESCRIPTION	TOTAL COST	BYPASS RATIONALE
13	Hardy County PSD	Dover Hollow Water Line Extension	Dover Hollow line extension	\$500,000	Not Ready to Proceed
14	Claywood Park PSD	Riser Ridge - Laurel Fork Water Extension for 300 customers in Wood & Wirt counties	Construction of a public water system that will serve approximately 300 households in various areas of Wood & Wirt counties.	\$5,330,000	Not Ready to Proceed
15	Lubeck PSD	Wadesville extension	Extension to serve 91 customers in the Wadesville area of Steele District.	\$2,250,000	Not Ready to Proceed
16	Wellsburg, City of	Upgrade of Water Treatment Plant & Distribution System	Water treatment plant repairs, reservoir cover, and replace distribution system.	\$2,500,000	Funded this project for design
17	Oakland PSD	Oakland PSD	Construct a new water storage tank, refurbish the existing tank, install filtration system for iron and manganese, and construct line extension to pick up approximately 115 new customers.	\$3,814,802	Issued Letter of Binding Commitment
18	St. Marys, City of	Water Line Replacement	This project is an upgrade to replace waterlines to serve 1,116 existing customers in the St. Marys area of Pleasants County. The project will consist of over 5 miles of 8", 6", 4" and 2" water line. Also included will be one 60,000 gallon water storage tank, a 100 GPM booster station, and all necessary valves and appurtenances	\$4,420,000	Issued Letter of Binding Commitment
19	Town of Oceana	Water System Improvements	Water System Improvements	\$1,900,000	Not Ready to Proceed
20	Parkersburg Utility Board	Parkersburg Utility Board Phase II Water System Improvements	Phase II Water Distribution system improvements including approximately 8 miles of water main. Replacement of small diameter pipe and interconnection of several small service areas allowing abandonment of four constant run water booster stations.	\$6,800,000	Funded this project
21	Northern Jackson County PSD	Extension and test stations, pressure reducing station	Water extension to include waterline, test stations, one pressure reducing station and necessary appurtenances.	\$1,700,000	
22	New Cumberland, City of	Water System Improvements	Install a pre-fabricated water treatment facility with a capacity of approximately 1,000 gallons per minute. A new potable booster station with two 500 GPM pumps, VFD's and approximately 1000 L.F. of waterline replacement.	\$1,014,000	

## APPENDIX A-4: BYPASSED PROJECT LIST

### WEST VIRGINIA 10DWTRFB PROJECT PRIORITY LIST (PPL)/COMPREHENSIVE LIST

RANKING	SYSTEM	PROJECT NAME	PROJECT DESCRIPTION	TOTAL COST	BYPASS RATIONALE
23	Grant County PSD	Deep Springs Water Line Extension	Extend water lines into an area of the county that currently relies on wells for water. This area has poor quality groundwater and low producing wells.	\$990,000	
24	Jefferson County PSD	Glen Haven Water System Improvements	Water System upgrades	\$1,600,000	
25	Jefferson County PSD	Cavaland Water Systems Improvement	Water System upgrades	\$1,050,000	
26	Ellenboro - Lamberton PSD	Victory Ridge Water	Extension of water service to approximately 35 new customers that currently rely on private water sources such as wells, cisterns and hauling water	\$1,200,000	
27	Town of Man	Water Line Improvements	Water Line Improvements	\$2,500,000	
28	Elizabeth, Town Of	Lynn Camp Road Water Extension	Project consists of extending public water service to approximately 25 households in Wirt County that currently rely on private water sources such as wells, cisterns and hauling water. The project is designed and ready to bid.	\$600,000	
29	City of Sistersville	Water System Improvements	Upgrades to Water System	\$1,500,000	
30	Clay-Roane PSD	Water System Extension Project	Water System Extensions	\$4,000,000	
31	Friendly PSD	Elk Fork / Bens Run Water Extension	Extensions to serve the Elk Fork and Bens Run areas.	\$2,215,000	
32	Hardy County PSD	Trough Road Line Replacement	Replacement of water lines along Trough Road	\$176,000	
33	Hardy County PSD	Route 55 Booster Pump Station Upgrades	Upgrade the Route 55 booster pump station	\$325,000	
34	Logan Water Board	Water System Improvements	Tank painting and meter replacement	\$3,200,000	
35	Southern Jackson County PSD	Water Distribution System Upgrade and Extension Project	Due to customer growth, portions of the District's existing system are in need of upgrading. The Jim Ridge Booster Station is operating at full capacity and is in need of modifications to increase capacity. The Mountain View Storage Tank cannot maintain a full operating level due to being served by undersized transmission mains within the distribution system and the existing 6" transmission main proceeding south along County Route 21 from the Coleman Run Booster Station is insufficient to provide service to the southern half of the system and is in need of replacement. The proposed upgrade to the Southern Jackson County PSD Water Distribution System consists of the replacement of approximately 30,000 l.f. of 12", 10", 8" and 6" water main; installation of a 100,000-gallon storage tank; upgrading of the Jim Ridge Booster Station, and construction of necessary appurtenances.	\$3,670,000	
36	Grant County PSD	Hedrick Hill Booster Station #1	Additional pump to comply with standard and correct sanitary survey deficiency.	\$100,000	

## APPENDIX A-4: BYPASSED PROJECT LIST

### WEST VIRGINIA 10DWTRFB PROJECT PRIORITY LIST (PPL)/COMPREHENSIVE LIST

RANKING	SYSTEM	PROJECT NAME	PROJECT DESCRIPTION	TOTAL COST	BYPASS RATIONALE
37	Union Williams PSD	Water Tank Improvements	Water Tank Improvements	\$2,000,000	
38	Pleasants County PSD	Hebron Road - Beech Run Water Extension	Project consists of extending public water service to approximately 65 new customers that currently rely on private water sources such as wells, cisterns and hauling water. The project was cut from a previous construction project and is designed.	\$1,500,000	
39	Salt Rock PSD - WVAW	Upper Toms Creek	Waterline extension on Upper Toms Creek in Cabell County to serve approximately 39 new customers who currently experience water outages of 1 week or longer.	\$714,000	
40	Salt Rock PSD - WVAW	Big Cabell Creek	Waterline extension on Big Cabell Creek in Cabell County to serve approximately 21 new customers who currently experience water outages of 1 week or longer.	\$381,000	
41	Salt Rock PSD - WVAW	Lower Heath Creek	Waterline extension on Lower Heath Creek in Cabell County to serve approximately 13 new customers who currently experience water outages of 1 week or longer.	\$165,000	
42	Fairmont, City of	Rayford Acres Line Replacement	Replacement of Water line in Rayford Acres consisting of approximately 7,200 LF of 6-inch waterline and all necessary appurtenances.	\$321,000	
43	Fairmont, City of	Cheasapeake Road Line Replacement	Replacement of Water line along Cheasapeake Road consisting of approximately 4,200 LF of 6-inch water line and all necessary appurtenances.	\$175,000	
44	Fairmont, City of	Fairmont Avenue Line Replacement	Replacement of Water line along Fairmont Avenue consisting of approximately 7,000 LF of 8-inch waterline and all necessary appurtenances.	\$405,000	
45	City of Fairmont	Water Meter Replacement Program	Meter Replacement	\$4,000,000	
46	City of Fairmont	Water Storage Tank Repair	Water Storage Tank Repairs	\$1,250,000	
47	Kanawha Co. RDA WVAW Upper Kanawha Valley	Upper Kanawha Valley Water System Improvements	This project will reinforce the water distribution system from the Kanawha Valley Water Plant along Route 60 to allow for the ultimate elimination of the Montgomery WTP, Pratt WTP, and Cedar Grove WTP.	\$10,614,000	

## APPENDIX A-5 Annual Green Project Reserve

PROJECT NUMBER	SYSTEM	PROJECT DESCRIPTION	DWTRF TERMS	EXIST POPULATION	ESTIMATED DATE OF CONSTRUCTION	GREEN PROJECT DESIGNATION	GREEN PROJECT RESERVE	TOTAL DWTRF ASSISTANCE FROM GRANT	TOTAL COST
10DWTRFB018	St. Marys, City of	This project is an upgrade to replace waterlines to serve 1,116 existing customers in the St. Marys area of Pleasants County. The project will consist of over 5 miles of 8", 6", 4" and 2" water line. Also included will be one 60,000 gallon water storage tank, a 100 GPM booster station, and all necessary valves and appurtenances.	2% @ 20 years plus 1% admin fee	2,534	April 1, 2012	Water Efficiency	\$3,885,728	\$4,203,500	\$7,745,000
<b>SFY2012 Total</b>							<b>\$3,885,728</b>	<b>\$4,203,500</b>	<b>\$7,745,000</b>

## Appendix A-6 Cumulative Green Project Reserve

<b>WV Drinking Water Treatment Revolving Fund</b>							
	<b>Capitalization Grant Requirement</b>			<b>Green Project Reserve Approved</b>			
<b>State Fiscal Year</b>	<b>Annual Awarded Federal Capitalization Amount</b>	<b>Green Project Reserve Amount Required</b>	<b>Cumulative Green Project Reserve Amount Required</b>	<b>Annual Green Project Reserve Approved</b>	<b>Annual Amount of Green Project Reserve Over Complied</b>	<b>Cumulative Amount of Green Project Reserve Approved</b>	<b>Cumulative Amount of Green Project Reserve Over Complied</b>
1999	\$ 12,558,800	\$0	\$0	\$0	\$0	\$0	\$0
2000	\$ 14,585,100	\$0	\$0	\$0	\$0	\$0	\$0
2001		\$0	\$0	\$0	\$0	\$0	\$0
2002	\$7,757,000	\$0	\$0	\$0	\$0	\$0	\$0
2003	\$7,789,100	\$0	\$0	\$0	\$0	\$0	\$0
2004	\$8,052,500	\$0	\$0	\$0	\$0	\$0	\$0
2005	\$8,004,100	\$0	\$0	\$0	\$0	\$0	\$0
2006	\$8,303,100	\$0	\$0	\$0	\$0	\$0	\$0
2007	\$8,285,500	\$0	\$0	\$0	\$0	\$0	\$0
2008	\$8,229,300	\$0	\$0	\$0	\$0	\$0	\$0
2009	\$8,229,000	\$0	\$0	\$0	\$0	\$0	\$0
2009	\$15,600,000	\$3,900,000	\$3,900,000	\$6,318,910	\$2,418,910	\$6,318,910	\$2,418,910
2010	\$3,900,000	\$0	\$3,900,000	\$0	\$0	\$6,318,910	\$2,418,910
2010	\$8,146,000	\$0	\$3,900,000	\$0	\$0	\$6,318,910	\$2,418,910
2011	\$21,719,000	\$2,714,600	\$6,614,600	\$6,846,000	\$4,131,400	\$13,164,910	\$6,550,310
2012	\$9,418,000	\$1,883,600	\$8,498,200	\$3,885,728	\$2,002,128	\$17,050,638	\$8,552,438

## **APPENDIX B**

### Accounting and Management Reports

**Appendix B-1:** Income Statement Summary 2012

**Appendix B-2:** Balance Sheet Summary 2012

**Appendix B-3:** Trial Balance 2012

**Appendix B-4:** FCTR to FSR Cash Transaction Report

**Appendix B-5:** Set Aside Expenditure Recap

**Appendix B-6:** Reconciliation of OEHS Expenditures and EPA Reports

## APPENDIX B-1: Income Statement Summary 2012

<b>Grant Revenue</b>	<b>4,592,888</b>
Other	
<b>Total Sales</b>	<b>4,592,888</b>
<b>Operating Expenses</b>	
Salaries and wages	1,348,398
Fringes	527,453
General and Administrative	673,223
Contractual and Professional	694,277
Capital Outlay	243,112
Subrecipient Disbursements	1,140,002
Other Expenses	211,223
Travel/Training	46,844
<b>Total Operating Expenses</b>	<b>4,884,532</b>
<b>Operating Deficit/Revenue</b>	<b>(291,644)</b>
Interest income (expense)	
Other income (expense)	
<b>Total Nonoperating Income (Expense)</b>	<b>0</b>
<b>Deficiency of revenue under/over expenses</b>	<b>(291,644)</b>
<b>Fund Balance Beginning of Year</b>	<b>1,970,919</b>
<b>Fund Balance, End of Year</b>	<b>1,679,275</b>

## APPENDIX B-2 Balance Sheet Summary 2012

<b>ASSETS</b>	
<b>Current Assets</b>	
Cash	1,679,275
Marketable securities	
Accounts receivable, net	
Inventory	
Prepaid expenses	
Other	
<b>Total Current Assets</b>	<b>1,679,275</b>
<b>Long-Term Assets</b>	
Property, plant, and equipment	
Less accumulated depreciation	
Net property, plant, and equipment	0
Other long-term assets	
<b>Total Long-Term Assets</b>	<b>0</b>
<b>Total Assets</b>	<b>1,679,275</b>
<b>LIABILITIES AND SHAREHOLDERS' EQUITY</b>	
<b>Current Liabilities</b>	
Short-term debt	
Current maturities of long-term debt	
Accounts payable	
Income taxes payable	
Accrued liabilities	
Other	
<b>Total Current Liabilities</b>	<b>0</b>
<b>Long-Term Liabilities</b>	
Long-term debt less current maturities	
Deferred income taxes	
Other long-term liabilities	
<b>Total Long-Term Liabilities</b>	<b>0</b>
<b>Fund Balance</b>	
Fund Balance	1,679,275
Additional paid in equity	
Retained earnings	
Other	
<b>Total Balance</b>	<b>1,679,275</b>
<b>Total Liabilities and Fund Balance</b>	<b>1,679,275</b>

## APPENDIX B-3: TRIAL BALANCE 2012

Trial Balance Expenditures As of June 30, 2012								
	Cumulative thru 6/30/11	3044	3045	3046	3047	3048	Totals	Cumulative thru 6/30/12
004- Salaries & Wages	\$ 165,115.46	\$ 9,540.00	\$ 11,906.65	\$ 1,140.00			\$ 22,586.65	\$ 187,702.11
005- Salaries & Wages	\$ 425,386.35						\$ -	\$ 425,386.35
006- Salaries & Wages	\$ 73,045.78						\$ -	\$ 73,045.78
007- Salaries & Wages	\$ 5,250.54						\$ -	\$ 5,250.54
009- Salaries & Wages	\$ 2,210.86						\$ -	\$ 2,210.86
505- Salaries & Wages	\$ 12,073,973.12	\$ 516,580.07	\$ 665,936.37	\$ 122,550.09			\$ 1,305,066.53	\$ 13,379,039.65
506- Salaries & Wages	\$ 82,736.02	\$ 13,407.99	\$ 7,337.00				\$ 20,744.99	\$ 103,481.01
507- Salaries & Wages	\$ 5,810.01						\$ -	\$ 5,810.01
010- Fringes	\$ 90,763.10	\$ 3,100.03	\$ 5,410.51	\$ 771.21			\$ 9,281.75	\$ 100,044.85
011- Fringes	\$ 934,012.23	\$ 38,876.91	\$ 48,639.04	\$ 9,275.28			\$ 96,791.23	\$ 1,030,803.46
012- Fringes	\$ 1,475,519.03	\$ 56,985.51	\$ 66,599.57	\$ 6,970.38			\$ 130,555.46	\$ 1,606,074.49
014- Fringes	\$ 402,012.13	\$ 16,607.96	\$ 28,338.77	\$ 2,822.96			\$ 47,769.69	\$ 449,781.82
015- Fringes	\$ 5,518.76		\$ 2,340.00				\$ 2,340.00	\$ 7,858.76
016- Fringes	\$ 1,345,111.63	\$ 76,320.33	\$ 101,144.80	\$ 17,842.65			\$ 195,307.78	\$ 1,540,419.41
160- Fringes	\$ 112,848.69	\$ 19,441.60	\$ 24,070.93	\$ 1,894.79			\$ 45,407.32	\$ 158,256.01
020- General & Administrative	\$ 371,239.49	\$ 9,494.58	\$ 23,116.89	\$ 575.56			\$ 33,187.03	\$ 404,426.52
021- General & Administrative	\$ 93,779.86	\$ 7,017.53	\$ 2,257.12	\$ 43.00			\$ 9,317.65	\$ 103,097.51
022- General & Administrative	\$ 1,352,958.77	\$ 38,660.54	\$ 127,109.96	\$ 13,354.38			\$ 179,124.88	\$ 1,532,083.65
024- General & Administrative	\$ 175,595.84	\$ 3,625.87	\$ 4,661.94	\$ 1,407.54			\$ 9,695.35	\$ 185,291.19
030- General & Administrative	\$ 243,614.89	\$ 9,629.84	\$ 17,164.34	\$ 2,707.19			\$ 29,501.37	\$ 273,116.26
035- General & Administrative	\$ 67,593.46	\$ 5,700.00	\$ 760.00				\$ 6,460.00	\$ 74,053.46
038- General & Administrative	\$ 72,711.10	\$ 10,967.61	\$ 1,403.96	\$ 349.38			\$ 12,720.95	\$ 85,432.05
042- General & Administrative	\$ 13,108.15	\$ 688.78	\$ 910.51				\$ 1,599.29	\$ 14,707.44
044- General & Administrative	\$ 40,576.60	\$ 6,255.73	\$ 17,668.63	\$ 458.90			\$ 24,383.26	\$ 64,959.86
053- General & Administrative	\$ 57,330.94	\$ 3,527.47	\$ 7,624.06	\$ 233.46			\$ 11,384.99	\$ 68,715.93
125- General & Administrative	\$ 2,406,519.10	\$ 110,427.54	\$ 191,596.68	\$ 45,661.20			\$ 347,685.42	\$ 2,754,204.52
246- General & Administrative	\$ 53,508.56						\$ -	\$ 53,508.56
247- General & Administrative	\$ 6,456.87						\$ -	\$ 6,456.87
248- General & Administrative	\$ 2,073.01						\$ -	\$ 2,073.01
417- General & Administrative	\$ 19,219.79	\$ 397.63	\$ 6,222.58	\$ 1,192.93			\$ 7,813.14	\$ 27,032.93
418- General & Administrative	\$ 855.34		\$ 349.59				\$ 349.59	\$ 1,204.93
029- Other Expense	\$ 147,423.90	\$ 1,096.13	\$ 951.78	\$ 654.30			\$ 2,702.21	\$ 150,126.11
031- Other Expense	\$ 73,355.67	\$ 1,800.00	\$ 9,970.00				\$ 11,770.00	\$ 85,125.67
034- Other Expense	\$ 10,434.28	\$ 219.00					\$ 219.00	\$ 10,653.28
036- Other Expense	\$ 137,939.98	\$ 783.63	\$ 6,189.05	\$ 31.33			\$ 7,004.01	\$ 144,943.99
055- Other Expense	\$ -						\$ -	\$ -
056- Other Expense	\$ 3,450.00						\$ -	\$ 3,450.00
061- Other Expense	\$ 9,510.94	\$ 95.00	\$ 1,727.00				\$ 1,822.00	\$ 11,332.94
062- Other Expense	\$ 7,276.00	\$ 3,391.00					\$ 3,391.00	\$ 10,667.00
063- Other Expense	\$ 233.14						\$ -	\$ 233.14
065- Other Expense	\$ 21,005.29	\$ 982.90	\$ 4,305.24	\$ 71.75			\$ 5,359.89	\$ 26,365.18
068- Other Expense	\$ 1,758.85						\$ -	\$ 1,758.85

	Cumulative thru 6/30/11	3044	3045	3046	3047	3048	Totals	Cumulative thru 6/30/12
079- Other Expense	\$ 13,674.56						\$ -	\$ 13,674.56
086- Other Expense	\$ 15.00						\$ -	\$ 15.00
110- Other Expense	\$ 41,489.00						\$ -	\$ 41,489.00
231- Other Expense	\$ 962.50	\$ 268.21	\$ 373.18	\$ 92.83			\$ 734.22	\$ 1,696.72
233- Other Expense	\$ 16,376.42	\$ 6,378.26	\$ 8,888.66	\$ 2,208.86			\$ 17,475.78	\$ 33,852.20
235- Other Expense	\$ 638.54	\$ 163.37	\$ 227.25	\$ 56.55			\$ 447.17	\$ 1,085.71
236- Other Expense	\$ 965.83	\$ 396.02	\$ 550.89	\$ 137.07			\$ 1,083.98	\$ 2,049.81
237- Other Expense	\$ 1,364.99	\$ 541.51	\$ 753.23	\$ 187.45			\$ 1,482.19	\$ 2,847.18
238- Other Expense	\$ 81,771.33	\$ 541.22	\$ 753.80	\$ 187.40			\$ 1,482.42	\$ 83,253.75
271- Other Expense	\$ 13,210.70	\$ 22,131.02	\$ 40,913.55	\$ 21,075.46			\$ 84,120.03	\$ 97,330.73
272- Other Expense	\$ 2,535.68	\$ 1,325.96	\$ 864.81				\$ 2,190.77	\$ 4,726.45
275- Other Expense	\$ 875.40	\$ 34,083.72					\$ 34,083.72	\$ 34,959.12
278- Other Expense	\$ 65.00						\$ -	\$ 65.00
279- Other Expense	\$ 328,272.36		\$ 26,949.06				\$ 26,949.06	\$ 355,221.42
333- Other Expense	\$ 89.06	\$ 287.53	\$ 475.87				\$ 763.40	\$ 852.46
371- Other Expense	\$ 137,279.44	\$ 1,068.08	\$ 7,043.94				\$ 8,112.02	\$ 145,391.46
375- Other Expense	\$ 811.45						\$ -	\$ 811.45
511- Other Expense	\$ 2,023.17						\$ -	\$ 2,023.17
512- Other Expense	\$ 30.00	\$ 10.00	\$ 15.00	\$ 5.00			\$ 30.00	\$ 60.00
054- Capital Outlay	\$ 178,527.35	\$ 29.56	\$ 6,136.55				\$ 6,166.11	\$ 184,693.46
058- Capital Outlay	\$ 172,944.59	\$ 18,736.16	\$ 556.55				\$ 19,292.71	\$ 192,237.30
070- Capital Outlay	\$ 56,276.01						\$ -	\$ 56,276.01
072- Capital Outlay	\$ 233,673.76	\$ 196,107.60					\$ 196,107.60	\$ 429,781.36
075- Capital Outlay	\$ 69,652.35						\$ -	\$ 69,652.35
077- Capital Outlay	\$ 15,174.95		\$ 1,546.00				\$ 1,546.00	\$ 16,720.95
078- Capital Outlay	\$ 16,999.46						\$ -	\$ 16,999.46
170- Capital Outlay	\$ 260,263.29						\$ -	\$ 260,263.29
171- Capital Outlay	\$ 304,719.05			\$ 20,000.00			\$ 20,000.00	\$ 324,719.05
128- Federal Subrecipient Disbursement	\$ 5,508,771.09	\$ 881,436.03	\$ 38,243.08		\$ 182,080.13		\$ 1,101,759.24	\$ 6,610,530.33
252- Subrecipient - Non-Federal Fund	\$ 150,099.87		\$ 38,243.08				\$ 38,243.08	\$ 188,342.95
258- Quasi-Subrecipient-Non-Federal	\$ 125,359.09						\$ -	\$ 125,359.09
251- Contractual & Professional	\$ 285,037.29	\$ 6,106.04	\$ 19,602.81	\$ 2,005.92			\$ 27,714.77	\$ 312,752.06
253- Contractual & Professional	\$ 1,684,627.69	\$ 139,478.00	\$ 423,049.54	\$ 94,521.97			\$ 657,049.51	\$ 2,341,677.20
255- Contractual & Professional	\$ 1,329,186.85						\$ -	\$ 1,329,186.85
256- Contractual & Professional	\$ 10,262.07	\$ 3,459.81	\$ 4,857.47	\$ 1,195.13			\$ 9,512.41	\$ 19,774.48
261- Travel-Training	\$ 168,200.57	\$ 4,033.56	\$ 3,138.89	\$ 417.20			\$ 7,589.65	\$ 175,790.22
262- Travel-Training	\$ 84,255.78						\$ -	\$ 84,255.78
263- Travel-Training	\$ 2,319.24						\$ -	\$ 2,319.24
521- Travel-Training	\$ 203,003.66	\$ 10,407.07	\$ 8,104.64	\$ 1,414.50			\$ 19,926.21	\$ 222,929.87
522- Travel-Training	\$ 175,874.96	\$ 11,431.90	\$ 5,845.67	\$ 1,921.92			\$ 19,199.49	\$ 195,074.45
524- Travel-Training	\$ 1,349.22	\$ 128.25					\$ 128.25	\$ 1,477.47
525- Travel-Training	\$ 484,930.26						\$ -	\$ 484,930.26
527- Travel-Training	\$ 14,959.94						\$ -	\$ 14,959.94
Total FIMS expenditures excluding in-kind services	\$ 34,767,762.35	\$ 2,304,170.06	\$ 2,022,846.49	\$ 375,435.54	\$ 182,080.13	\$ -	\$ 4,884,532.22	\$ 39,652,294.57
In-kind Services provided by EPA on OEHS' behalf	\$ 844,176.00	\$ 100,000.00	\$ 25,542.00	\$ 224,458.00			\$ 350,000.00	\$ 1,194,176.00
Total expenditures including In-kind Services	\$ 35,611,938.35	\$ 2,404,170.06	\$ 2,048,388.49	\$ 599,893.54	\$ 182,080.13	\$ -	\$ 5,234,532.22	\$ 40,846,470.57

## APPENDIX B-4: FCTR TO FSR CASH TRANSACTION REPORT

FCTR to FSR Reconciliation from inception

Grant #	FY 1999			FY 2000			FY 2001			FY 2002		
	FCTR Amount	FSR Amount	Difference	FCTR Amount	FSR Amount	Cumulative Difference	FCTR Amount	FSR Amount	Cumulative Difference	FCTR Amount	FSR Amount	Cumulative Difference
14364	\$ -	\$ -		\$ -	\$ -		\$ -	\$ -		\$ -	\$ -	
12813	\$ -	\$ -		\$ -	\$ -		\$ -	\$ -		\$ -	\$ -	
11516	\$ -	\$ -		\$ -	\$ -		\$ -	\$ -		\$ -	\$ -	
9677	\$ -	\$ -		\$ -	\$ -		\$ -	\$ -		\$ -	\$ -	
8861	\$ -	\$ -		\$ -	\$ -		\$ -	\$ -		\$ -	\$ -	
7515	\$ -	\$ -		\$ -	\$ -		\$ -	\$ -		\$ 664,151.07	\$ 664,151.06	0.01
4501	\$ -	\$ -		\$ 555,073.49	\$ 563,181.27	(8,107.78)	\$ 5,209,979.34	\$ 5,209,563.04	(7,691.48)	\$ 4,522,076.71	\$ 4,516,284.05	(1,898.82)
4058	\$ 921,651.67	\$ 943,092.18	(21,440.51)	\$ 1,966,430.82	\$ 2,074,199.75	(129,209.44)	\$ 5,093,171.15	\$ 4,985,969.71	(22,008.00)	\$ 3,820,591.21	\$ 3,798,583.20	0.01
	\$ 921,651.67	\$ 943,092.18	(21,440.51)	\$ 2,521,504.31	\$ 2,637,381.02	(137,317.22)	\$ 10,303,150.49	\$ 10,195,532.75	(29,699.48)	\$ 9,006,818.99	\$ 8,979,018.31	(1,898.80)

Grant #	FY 2003			FY 2004			FY 2005			FY 2006		
	FCTR Amount	FSR Amount	Cumulative Difference	FCTR Amount	FSR Amount	Cumulative Difference	FCTR Amount	FSR Amount	Cumulative Difference	FCTR Amount	FSR Amount	Cumulative Difference
15384									0.00			
14364									0.00			
12813									0.00	\$ 93,183.77		(93,183.77)
11516							\$ 108,478.82	\$ 108,478.82	0.00	\$ 494,767.93	\$ 391,351.45	103,416.48
9677				\$ 214,878.97	\$ 216,378.97	(1,500.00)	\$ 1,187,371.72	\$ 1,217,829.02	(31,957.30)	\$ 1,505,988.01	\$ 1,498,903.18	(24,872.47)
8861	\$ -	\$ 266,098.16	(266,098.16)	\$ 1,607,898.89	\$ 1,270,573.78	71,226.95	\$ 18,649.96	\$ 105,205.39	(15,328.48)	\$ 5,985,230.07	\$ 6,018,465.60	(48,564.01)
7515	\$ 1,438,854.91	\$ 1,438,854.93	(0.01)	\$ 1,496,662.18	\$ 1,496,642.19	19.98	\$ 2,523,482.22	\$ 2,523,623.36	(121.16)	\$ 1,629,806.35	\$ 1,629,685.18	0.01
4501	\$ 2,899,049.40	\$ 2,897,150.57	0.01	\$ 1,027,928.86	\$ 1,027,928.87	0.00	\$ 63,393.49	\$ 90,135.41	(26,741.92)	\$ 307,598.71	\$ 280,856.80	(0.01)
4058	\$ 268,753.54	\$ 268,753.54	0.01	\$ 488,201.61	\$ 488,201.62	0.00	\$ -	\$ -	0.00	\$ -	\$ -	0.00
	\$ 4,606,657.85	\$ 4,870,857.20	(266,098.15)	\$ 4,835,570.51	\$ 4,499,725.43	69,746.93	\$ 3,901,376.21	\$ 4,045,272.00	(74,148.86)	\$ 9,923,391.07	\$ 9,912,445.98	(63,203.77)

Grant #	FY 2007			FY 2008			FY 2009			FY2010		
	FCTR Amount	FSR Amount	Cumulative Difference	FCTR Amount	FSR Amount	Cumulative Difference	FCTR Amount	FSR Amount	Cumulative Difference	FCTR Amount	FSR Amount	Difference
17779							\$ -	\$ -	\$ 0.00	\$ 91,209.37	\$ 91,209.37	0.00
16569							\$ 82,116.95	\$ 82,116.95	\$ 0.00	\$ 611,438.27	\$ 611,438.27	0.00
15384				\$ 108,114.74	\$ 108,124.93	(10.19)	\$ 69,808.23	\$ 69,798.04	\$ 0.00	\$ 3,411,506.65	\$ 3,411,506.22	0.43
14364	\$ 110,473.86	\$ 110,473.36	0.50	\$ 75,973.84	\$ 75,974.34	0.00	\$ 903,412.40	\$ 903,412.39	\$ 0.01	\$ 7,184,853.01	\$ 7,184,853.02	(0.01)
12813	\$ 197,748.56	\$ 104,564.79	0.00	\$ 1,642,739.45	\$ 1,577,502.35	65,237.10	\$ 6,042,394.54	\$ 6,107,631.67	(\$0.03)	\$ -	\$ -	0.00
11516	\$ 3,732,457.92	\$ 3,835,874.41	(0.01)	\$ 3,412,779.17	\$ 3,412,779.16	(0.00)	\$ 255,616.16	\$ 255,616.16	\$ (0.00)	\$ -	\$ -	0.00
9677	\$ 5,132,518.69	\$ 5,107,646.22	0.00	\$ 11,742.61	\$ 11,742.61	0.00	\$ -	\$ -	\$ 0.00	\$ -	\$ -	0.00
8861	\$ 167,321.08	\$ 118,757.06	0.01	\$ -	\$ -	0.01	\$ -	\$ -	\$ 0.01	\$ -	\$ -	0.00
7515	\$ 4,043.27	\$ 4,043.28	0.00	\$ -	\$ -	0.00	\$ -	\$ -	\$ 0.00	\$ -	\$ -	0.00
4501	\$ -	\$ -	(0.01)	\$ -	\$ -	(0.01)	\$ -	\$ -	\$ (0.01)	\$ -	\$ -	0.00
4058	\$ -	\$ -	0.00	\$ -	\$ -	0.00	\$ -	\$ -	\$ 0.00	\$ -	\$ -	0.00
	\$ 9,344,563.38	\$ 9,281,359.12	0.49	\$ 5,251,349.81	\$ 5,186,123.39	65,226.91	\$ 7,353,348.28	\$ 7,418,575.21	(\$0.02)	\$ 11,299,007.30	\$ 11,299,006.88	0.42

Grant #	FY 2011			FY 2012			TOTAL		
	FCTR Amount	FSR Amount	Cumulative Difference	FCTR Amount	FSR Amount	Cumulative Difference	FCTR Amount	FSR Amount	Difference
20419				\$ 163,710.27	\$ 163,709.43	\$ 0.84	\$ 163,710.27	\$ 163,709.43	0.84
19106	\$ 1,066,244.84	\$ 862,950.79	\$ 203,294.05	\$ 18,699,792.79	\$ 18,804,274.40	(\$104,481.61)	\$ 19,766,037.63	\$ 19,667,225.19	98,812.44
17779	\$ 5,866,562.11	\$ 5,892,982.17	(\$26,420.06)	\$ 1,907,616.41	\$ 1,879,645.77	\$ 27,970.64	\$ 7,865,387.89	\$ 7,863,837.31	1,550.58
16569	\$ 7,141,965.59	\$ 7,141,965.59	\$ 0.00	\$ 382,524.88	\$ 382,524.88	\$ 0.00	\$ 8,218,045.69	\$ 8,218,045.69	0.00
15384	\$ 4,588,160.63	\$ 4,588,157.50	\$ 3.13	\$ 51,709.75	\$ 51,713.31	(\$3.56)	\$ 8,229,300.00	\$ 8,229,300.00	0.00
14364	\$ 10,786.89	\$ 10,786.89	\$ 0.00	\$ -	\$ -	\$ 0.00	\$ 8,285,500.00	\$ 8,285,500.00	0.00
12813	\$ -	\$ -	\$ 0.00	\$ -	\$ -	\$ 0.00	\$ 7,882,882.55	\$ 7,882,882.58	(0.03)
11516	\$ -	\$ -	\$ 0.00	\$ -	\$ -	\$ 0.00	\$ 8,004,100.00	\$ 8,004,100.00	0.00
9677	\$ -	\$ -	\$ 0.00	\$ -	\$ -	\$ 0.00	\$ 8,052,500.00	\$ 8,052,500.00	0.00
8861	\$ -	\$ -	\$ 0.00	\$ -	\$ -	\$ 0.00	\$ 7,779,100.00	\$ 7,779,099.99	0.01
7515	\$ -	\$ -	\$ 0.00	\$ -	\$ -	\$ 0.00	\$ 7,757,000.00	\$ 7,757,000.00	0.00
4501	\$ -	\$ -	\$ 0.00	\$ -	\$ -	\$ 0.00	\$ 14,585,100.00	\$ 14,585,100.01	(0.01)
4058	\$ -	\$ -	\$ 0.00	\$ -	\$ -	\$ 0.00	\$ 12,558,800.00	\$ 12,558,800.00	0.00
	\$ 18,673,720.06	\$ 18,496,842.94	176,877.12	\$ 21,205,354.10	\$ 21,281,867.79	(76,513.69)	\$ 119,147,464.03	\$ 119,047,100.20	100,363.83

All draws downs including construction

## APPENDIX B-5: SET ASIDE EXPENDITURE RECAP

Set Aside Federal Expenditures for the FY2012  
Sorted by Org and Grant

	Org 3044	Org 3045	Org 3046	Org 3047	Total
Grant 15384	\$ 45,475.48	\$ 5,960.06	\$ 273.95	\$ -	\$ 51,709.49
Grant 16569	\$ 155,499.94	\$ 3,217.56	\$ 222,481.48	\$ 1,325.90	\$ 382,524.88
Grant 17779	\$ 286,553.16	\$ 347,985.47	\$ 132,310.71	\$ 35,503.26	\$ 802,352.60
Grant 19106	\$ 1,813,262.98	\$ 513,707.21	\$ 20,369.44	\$ 145,250.97	\$ 2,492,590.60
Grant 20419	\$ 3,378.20	\$ 160,332.07	\$ -	\$ -	\$ 163,710.27
Total	\$ 2,304,169.76	\$ 1,031,202.37	\$ 375,435.58	\$ 182,080.13	\$ 3,892,887.84

## APPENDIX B-6: Reconciliation of OEHS Draw Downs and EPA Report

FS993900-08	Available to Draw			Draw Down		
	EPA	WV	Difference	EPA	WV	Difference
Construction Fund	\$0.00	\$0.00	\$0.00	\$6,089,460.00	\$6,089,460.00	\$0.00
Side-Aside 4%	\$774.79	\$35.37	(\$739.42)	\$328,385.21	\$329,124.63	\$739.42
Side-Aside 2%	\$172.29	\$172.29	(\$0.00)	\$164,407.71	\$164,407.71	\$0.00
Side-Aside 10%	\$9.44	\$9.44	(\$0.00)	\$411,440.56	\$411,440.56	\$0.00
Side-Aside 15%	\$10,737.21	\$10,737.21	\$0.00	\$1,223,612.79	\$1,223,612.79	\$0.00
<b>Total</b>	<b>\$11,693.73</b>	<b>\$10,954.31</b>	<b>(\$739.42)</b>	<b>\$8,217,306.27</b>	<b>\$8,218,045.69</b>	<b>\$739.42</b>

FS993900-09	Available to Draw			Draw Down		
	EPA	WV	Difference	EPA	WV	Difference
Construction Fund	\$0.00	\$0.00	\$0.00	\$5,620,740.00	\$5,620,740.00	\$0.00
Side-Aside 4%	\$202,726.70	\$193,464.71	(\$9,261.99)	\$123,113.30	\$132,375.29	\$9,261.99
Side-Aside 2%	\$0.00	\$0.00	\$0.00	\$162,920.00	\$162,920.00	\$0.00
Side-Aside 10%	\$58,429.36	\$57,718.83	(\$710.53)	\$756,170.64	\$756,881.17	\$710.53
Side-Aside 15%	\$29,428.57	\$29,428.57	(\$0.00)	\$1,192,471.43	\$1,192,471.43	\$0.00
<b>Total</b>	<b>\$290,584.63</b>	<b>\$280,612.11</b>	<b>(\$9,972.52)</b>	<b>\$7,855,415.37</b>	<b>\$7,865,387.89</b>	<b>\$9,972.52</b>

FS993900-10	Available to Draw			Draw Down		
	EPA	WV	Difference	EPA	WV	Difference
Construction Fund	\$618,510.00	\$618,510.00	\$0.00	\$16,193,476.00	\$16,193,476.00	\$0.00
Side-Aside 4%	<b>\$292,920.00</b>	<b>\$314,241.00</b>	<b>\$21,321.00</b>	\$0.00	\$0.00	\$0.00
Side-Aside 2%	\$168,673.03	\$168,673.03	\$0.00	\$265,706.97	\$265,706.97	\$0.00
Side-Aside 10%	\$46,919.89	\$46,919.89	\$0.00	\$1,129,825.47	\$1,129,825.47	\$0.00
Side-Aside 15%	\$288,007.06	\$255,674.81	(\$32,332.25)	\$2,144,696.94	\$2,177,029.19	\$32,332.25
<b>Total</b>	<b>\$1,535,294.62</b>	<b>\$1,524,283.37</b>	<b>(\$11,011.25)</b>	<b>\$19,733,705.38</b>	<b>\$19,766,037.63</b>	<b>\$32,332.25</b>

FS993900-11	Available to Draw			Draw Down		
	EPA	WV	Difference	EPA	WV	Difference
Construction Fund	\$6,394,920.00	\$6,394,920.00	\$0.00	\$0.00	\$0.00	\$0.00
Side-Aside 4%	\$146,262.00	\$146,262.00	\$0.00	\$0.00	\$0.00	\$0.00
Side-Aside 2%	\$185,360.00	\$185,360.00	\$0.00	\$0.00	\$0.00	\$0.00
Side-Aside 10%	\$772,867.47	\$740,925.93	(\$31,941.54)	\$128,390.53	\$160,332.07	\$31,941.54
Side-Aside 15%	\$1,286,821.80	\$1,286,821.80	\$0.00	\$3,378.20	\$3,378.20	\$0.00
Construction Fund	\$150,000.00	\$150,000.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$8,936,231.27</b>	<b>\$8,904,289.73</b>	<b>(\$31,941.54)</b>	<b>\$131,768.73</b>	<b>\$163,710.27</b>	<b>\$31,941.54</b>

Summary				
	Difference of Paid Amount	Difference of Available Amount	Net Difference	Notes
08 Grant	\$739.42	(\$739.42)		Draw Down Request in transit \$739.42
09 Grant	\$9,972.52	(\$9,972.52)		Draw Down Request in transit \$9,972.52
10 Grant	\$32,332.25	(\$11,011.25)		Draw Down Request in transit \$32,332.25
11 Grant	\$31,941.54	(\$31,941.54)		Draw Down Request in transit \$31,941.52
<b>Total</b>	<b>\$74,985.73</b>	<b>(\$53,664.73)</b>	<b>\$21,321.00</b>	Reduced 4% in-kind \$21,321.00 back to grant

Note:

FS993900- 09 Grant number 17780 Set Aside 2% draw down of \$162,920 did not include refund of \$1,550.58 by sub-recipient

FS993900-10 Grant number 19108 Set Aside 4% draw down did not include advanced expenditure of \$20,358.30. Paid with State funds.

## **APPENDIX C**

Report On Cash Draws For Payments And Disbursements,  
DBE Spending, And Binding Commitments

**APPENDIX C-1:** DWTRF Grant Invoice Payments

**APPENDIX C-2:** Set Aside Disbursements

**APPENDIX C-3:** DWTRF Construction DBE Summary Table

**APPENDIX C-4:** SRF Set Aside DBE Summary Table

**APPENDIX C-5:** DHHR Commitment Report/Sub-Recipient Obligations

**Appendix C-1: DWTRF Grant Invoices for SFY 2012**

<b>Project</b>	<b>Project #</b>	<b>Invoice #</b>	<b>Invoice Amount</b>	<b>Federal Share</b>	<b>State Share</b>	<b>Repayment</b>	<b>Amount Paid</b>	<b>Transfer Date</b>
<b>2009</b>								
City of Fairmont - WTP	09DWTRFA004	4	\$213,441	\$165,477	\$47,964	\$0	\$213,441	8/4/2011
City of Weirton	06DWTRFA003	16	\$103,642.00	\$0	\$0	\$103,642	\$103,642	7/27/2011
City of Weirton	06DWTRFA003	15	\$66,802.00	\$0	\$0	\$66,802	\$66,802	7/27/2011
City of Weirton	06DWTRFA003	18	\$82,845.00	\$0	\$0	\$82,845	\$82,845	7/27/2011
City of Weirton	06DWTRFA003	17	\$75,087.00	\$0	\$0	\$75,087	\$75,087	7/27/2011
Jane Lew PSD	09DWTRFA026	11	\$1.00	\$0	\$1	\$0	\$1	5/1/2012
Nettie-Leivasy PSD	06DWTRFA009	3	\$131,454	\$101,914	\$29,540	\$0	\$131,454	7/27/2011
Parkersburg Utility Board	10DWTRFA023	3	\$574,095	\$445,085	\$129,010	\$0	\$574,095	7/14/2011
Parkersburg Utility Board	10DWTRFA023	4	\$253,133	\$196,249	\$56,884	\$0	\$253,133	7/21/2011
Southwestern PSD	06DWTRFA004	18	\$8,535	\$6,616	\$1,918	\$0	\$8,534	7/14/2011
Sun Valley PSD	05DWTRFA001	4	\$1,165	\$903	\$262	\$0	\$1,165	7/21/2011
Wellsburg Design Loan	10DWTRFB016	6	\$22,112	\$17,143	\$4,969	\$0	\$22,112	7/20/2011
White Sulphur Springs	10DWTRFA002	2	\$103,798	\$80,472	\$23,325	\$0	\$103,797	7/21/2011
Whitmer Water Assoc.	09DWTRFA001	5	\$42,950	\$33,297	\$9,652	\$0	\$42,949	7/14/2011
WVAWC - Fayette AMI	09DWTRFA089	9	\$74,183	\$57,513	\$16,670	\$0	\$74,183	7/14/2011
	<b>Total 2009</b>		<b>\$1,753,242.19</b>	<b>\$1,104,669.00</b>	<b>\$320,195.00</b>	<b>\$328,376.00</b>	<b>\$1,753,240.00</b>	
<b>2009 ARRA</b>								
Fairmont, City of			<b>\$686,549.00</b>	<b>\$686,549</b>	<b>\$0</b>	<b>\$0</b>	<b>\$686,549</b>	8/4/2012
<b>2010</b>								
City of Fairmont - WTP	09DWTRFA004	5	\$482,058	\$383,079	\$98,978	\$0	\$482,057	8/4/2011
City of Fairmont - WTP	09DWTRFA004	6	\$1,360,952	\$1,081,517	\$279,436	\$0	\$1,360,953	11/9/2011
City of Fairmont - WTP	09DWTRFA004	7	\$519,730	\$413,017	\$106,713	\$0	\$519,730	11/30/2011
City of Fairmont - WTP	09DWTRFA004	8	\$756,150	\$600,894	\$155,256	\$0	\$756,150	2/15/2012
City of Fairmont-Man'ton	05DWTRFA004	16	\$13,976.60	\$10,835	\$3,141	\$0	\$13,976	8/18/2011
City of Petersburg	05DWTRF009	18	\$60,755.70	\$48,282	\$12,474	\$0	\$60,756	10/7/2011
City of Petersburg	05DWTRF009	19	\$3,750.00	\$2,980	\$770	\$0	\$3,750	2/1/2012
City of Petersburg	05DWTRF009	20	\$3,087.50	\$2,454	\$634	\$0	\$3,088	4/27/2012
City of Petersburg (Repayment)	05DWTRF009	12	\$65,496.39	\$0	\$0	\$65,497	\$65,497	9/26/2011
City of St. Marys	11DWTRFA013	1	\$252,724.07	\$200,835	\$51,890	\$0	\$252,725	1/5/2012
City of St. Marys	11DWTRFA013	2	\$310,573.29	\$246,805	\$63,768	\$0	\$310,573	4/19/2012
City of St. Marys	11DWTRFA013	3	\$420,864.07	\$334,450	\$86,414	\$0	\$420,864	6/8/2012
City of St. Marys	11DWTRFA013	4	\$338,041.95	\$268,633	\$69,409	\$0	\$338,042	6/12/2012
City of St. Marys	11DWTRFA013	5	\$357,850.77	\$284,376	\$73,475	\$0	\$357,851	6/25/2012
City of Weirton	06DWTRFA003	19	\$175,011.70	\$0	\$0	\$175,011	\$175,011	8/4/2011
City of Weirton	06DWTRFA003	20	\$64,370.25	\$0	\$0	\$64,370	\$64,370	1/17/2012
City of Wellsburg	10DWTRFB016C	1	\$60,875.00	\$48,375	\$12,500	\$0	\$60,875	3/1/2012
City of Wellsburg	10DWTRFB016C	2	\$19,678.97	\$15,638	\$4,041	\$0	\$19,679	3/20/2012
City of Wellsburg	10DWTRFB016C	3	\$3,220.98	\$2,560	\$661	\$0	\$3,221	4/19/2012

Project	Project #	Invoice #	Invoice Amount	Federal Share	State Share	Repayment	Amount Paid	Transfer Date
City of Wellsburg	10DWTRFB016C	4	\$57,711.97	\$45,862	\$11,850	\$0	\$57,712	5/23/2012
Wellsburg Design Loan	10DWTRFB016	7	\$4,578.02	\$3,910	\$668	\$0	\$4,578	8/22/2011
Wellsburg Design Loan	10DWTRFB016	8	\$6,839.64	\$5,435	\$1,405	\$0	\$6,840	9/16/2011
Wellsburg Design Loan	10DWTRFB016	9	\$1,312.09	\$1,043	\$269	\$0	\$1,312	10/21/2011
Wellsburg Design Loan	10DWTRFB016	10	\$6,970.03	\$5,538	\$1,431	\$0	\$6,969	11/30/2011
Coons Run PSD	09DWTRFA008	15	\$22,660.16	\$18,008	\$4,652	\$0	\$22,660	8/10/2011
Coons Run PSD	09DWTRFA008	16	\$6,661	\$5,293	\$1,368	\$0	\$6,661	2/3/2012
Coons Run PSD	09DWTRFA008	17	\$111,141	\$88,321	\$22,819	\$0	\$111,140	3/13/2012
Coons Run PSD	09DWTRFA008	18	\$265	\$0	\$0	\$265	\$265	4/6/2012
Coons Run PSD	09DWTRFA008	19	\$2,410.18	\$0	\$0	\$2,410	\$2,410	5/23/2012
Morgantown Utility Board	09DWTRFA063	20	\$10,591.00	\$8,416	\$2,175	\$0	\$10,591	8/22/2011
Morgantown Utility Board	09DWTRFA063	21	\$186,504.43	\$148,211	\$38,293	\$0	\$186,504	8/22/2011
Morgantown Utility Board	09DWTRFA063	22	\$296,699.00	\$235,779	\$60,920	\$0	\$296,699	10/21/2011
Morgantown Utility Board	09DWTRFA063	23	\$163,617.84	\$130,023	\$33,595	\$0	\$163,618	10/21/2011
Morgantown Utility Board	09DWTRFA063	24	\$19,059.34	\$15,146	\$3,913	\$0	\$19,059	1/17/2012
Morgantown Utility Board	09DWTRFA063	25	\$352,846.16	\$280,399	\$72,448	\$0	\$352,847	1/17/2012
Morgantown Utility Board	09DWTRFA063	26	\$153,904.00	\$122,304	\$31,600	\$0	\$153,904	1/17/2012
Morgantown Utility Board	09DWTRFA063	27	\$192,104.61	\$152,660	\$39,444	\$0	\$192,104	3/5/2012
Nettie-Leivasy PSD	06DWTRFA009	4	\$122,864	\$97,637	\$25,227	\$0	\$122,864	8/10/2011
Nettie-Leivasy PSD	06DWTRFA009	5	\$110,397	\$87,730	\$22,667	\$0	\$110,397	9/8/2011
Nettie-Leivasy PSD	06DWTRFA009	6	\$209,282	\$166,311	\$42,971	\$0	\$209,282	10/14/2011
Nettie-Leivasy PSD	06DWTRFA009	7	\$1,043,899	\$829,562	\$214,337	\$0	\$1,043,899	1/17/2012
Nettie-Leivasy PSD	06DWTRFA009	8	\$313,289	\$248,963	\$64,325	\$0	\$313,288	1/30/2012
Nettie-Leivasy PSD	06DWTRFA009	9	\$258,213	\$205,196	\$53,017	\$0	\$258,213	2/21/2012
Nettie-Leivasy PSD	06DWTRFA009	10	\$280,263	\$222,718	\$57,545	\$0	\$280,263	3/13/2012
Nettie-Leivasy PSD	06DWTRFA009	11	\$139,967	\$111,228	\$28,739	\$0	\$139,967	4/19/2012
Oakland PSD	11DWTRFA012	1	\$75,362.00	\$59,888	\$15,474	\$0	\$75,362	5/24/2012
Oakland PSD (PF)	11DWTRFA012	1	\$34,196.00	\$27,175	\$7,021	\$0	\$34,196	5/24/2012
Parkersburg Utility Board	10DWTRFA023	5	\$269,897	\$214,480	\$55,417	\$0	\$269,897	8/10/2011
Parkersburg Utility Board	10DWTRFA023	6	\$624,863	\$496,563	\$128,300	\$0	\$624,863	9/16/2011
Parkersburg Utility Board	10DWTRFA023	7	\$562,754	\$447,207	\$115,547	\$0	\$562,754	10/21/2011
Parkersburg Utility Board	10DWTRFA023	8	\$789,892	\$627,708	\$162,184	\$0	\$789,892	11/23/2011
Parkersburg Utility Board	10DWTRFA023	9	\$659,624	\$524,187	\$135,437	\$0	\$659,624	12/19/2011
Parkersburg Utility Board	10DWTRFA023	10	\$279,986	\$222,498	\$57,488	\$0	\$279,986	1/17/2012
Parkersburg Utility Board	10DWTRFA023	11	\$256,757	\$204,038	\$52,719	\$0	\$256,757	2/21/2012
Parkersburg Utility Board	10DWTRFA023	12	\$173,065	\$137,530	\$35,534	\$0	\$173,064	3/5/2012
Parkersburg Utility Board	10DWTRFA023	13	\$81,203.81	\$64,531	\$16,673	\$0	\$81,204	4/19/2012
Parkersburg Utility Board	10DWTRFA023	14	\$42,620.63	\$33,870	\$8,751	\$0	\$42,621	5/23/2012
Southwestern PSD	06DWTRFA004	19	\$11,691	\$9,291	\$2,400	\$0	\$11,691	8/4/2011
Southwestern PSD	06DWTRFA004	20	\$26,259	\$20,868	\$5,392	\$0	\$26,260	9/2/2011
Southwestern PSD	06DWTRFA004	21	\$5,812	\$4,618	\$1,193	\$0	\$5,811	10/7/2011
Southwestern PSD	06DWTRFA004	22	\$7,370	\$5,857	\$1,513	\$0	\$7,370	11/30/2011
Southwestern PSD	06DWTRFA004	23	\$3,551	\$2,821	\$730	\$0	\$3,551	1/4/2012
Southwestern PSD	06DWTRFA004	24	\$519	\$412	\$107	\$0	\$519	3/5/2012
Sun Valley PSD	05DWTRFA001	5	\$70,782.25	\$56,249	\$14,533	\$0	\$70,782	9/16/2011

Project	Project #	Invoice #	Invoice Amount	Federal Share	State Share	Repayment	Amount Paid	Transfer Date
Town of Bath	07DWTRFA002	20	\$130,910.00	\$104,031	\$26,879	\$0	\$130,910	10/7/2011
Town of Bath	07DWTRFA002	21	\$81,118.00	\$64,462	\$16,656	\$0	\$81,118	11/9/2011
Town of Bath	07DWTRFA002	22	\$15,962.00	\$12,684	\$3,278	\$0	\$15,962	1/17/2012
Town of Bath	07DWTRFA002	23	\$1,391.00	\$0	\$0	\$1,391	\$1,391	2/15/2012
Town of Wardensville	05DWTRFA002	17	\$56,100.00	\$44,581	\$11,519	\$0	\$56,100	9/2/2011
Town of Wardensville	05DWTRFA002	18	\$9,095.22	\$7,228	\$1,867	\$1	\$9,095	10/31/2011
White Sulphur Springs	10DWTRFA002	3	\$32,829	\$26,088	\$6,741	\$0	\$32,829	8/4/2011
White Sulphur Springs	10DWTRFA002	4	\$100,638	\$79,974	\$20,664	\$0	\$100,638	8/22/2011
White Sulphur Springs	10DWTRFA002	5	\$254,814	\$202,494	\$52,320	\$0	\$254,814	9/26/2011
White Sulphur Springs	10DWTRFA002	6	\$485,150	\$385,536	\$99,614	\$0	\$485,150	10/31/2011
White Sulphur Springs	10DWTRFA002	7	\$318,776	\$253,324	\$65,452	\$0	\$318,776	11/30/2011
White Sulphur Springs	10DWTRFA002	8	\$636,572	\$505,868	\$130,704	\$0	\$636,572	12/29/2011
White Sulphur Springs	10DWTRFA002	9	\$813,099	\$646,150	\$166,949	\$0	\$813,099	2/1/2012
White Sulphur Springs	10DWTRFA002	10	\$388,655	\$308,855	\$79,800	\$0	\$388,655	3/13/2012
White Sulphur Springs	10DWTRFA002	11	\$512,548	\$407,310	\$105,239	\$0	\$512,549	4/6/2012
White Sulphur Springs	10DWTRFA002	12	\$602,013	\$478,405	\$123,608	\$0	\$602,013	4/16/2012
White Sulphur Springs	10DWTRFA002	13	\$399,596	\$317,549	\$82,047	\$0	\$399,596	6/8/2012
White Sulphur Springs(PF)	10DWTRFA002	1	\$367,981	\$292,426	\$75,556	\$0	\$367,982	8/30/2011
White Sulphur Springs(PF)	10DWTRFA002	2	\$273,487	\$217,334	\$56,153	\$0	\$273,487	9/26/2011
White Sulphur Springs(PF)	10DWTRFA002	3	\$415,927	\$330,527	\$85,400	\$0	\$415,927	10/31/2011
White Sulphur Springs(PF)	10DWTRFA002	4	\$466,453	\$370,678	\$95,775	\$0	\$466,453	11/30/2011
White Sulphur Springs(PF)	10DWTRFA002	5	\$374,400	\$297,527	\$76,873	\$0	\$374,400	12/29/2011
White Sulphur Springs(PF)	10DWTRFA002	6	\$143,938	\$114,384	\$29,554	\$0	\$143,938	2/1/2012
White Sulphur Springs(PF)	10DWTRFA002	7	\$52,324	\$41,581	\$10,743	\$0	\$52,324	3/13/2012
White Sulphur Springs(PF)	10DWTRFA002	8	\$88,012	\$69,941	\$18,071	\$0	\$88,012	3/26/2012
White Sulphur Springs(PF)	10DWTRFA002	9	\$114,297	\$90,829	\$23,468	\$0	\$114,297	4/19/2012
White Sulphur Springs(PF)	10DWTRFA002	10	\$111,541	\$88,640	\$22,901	\$0	\$111,541	6/8/2012
Whitmer Water Assoc.	09DWTRFA001	6	\$12,336	\$0	\$0	\$12,336	\$12,336	8/4/2011
Whitmer Water Assoc.	09DWTRFA001	7	\$33,288	\$26,453	\$6,835	\$0	\$33,288	11/23/2011
Whitmer Water Assoc.	09DWTRFA001	8	\$74,377	\$59,105	\$15,273	\$0	\$74,378	1/4/2012
Whitmer Water Assoc.	09DWTRFA001	9	\$961	\$764	\$197	\$0	\$961	2/21/2012
Whitmer Water Assoc.	09DWTRFA001	10	\$10,739	\$8,534	\$2,205	\$0	\$10,739	6/25/2012
	<b>Total 2010</b>		<b>\$20,698,747.35</b>	<b>\$16,193,476.00</b>	<b>\$4,183,992.00</b>	<b>\$321,280.72</b>	<b>\$20,698,748.00</b>	
<b>Grand Totals for SFY2012</b>			<b>\$23,138,538.54</b>	<b>\$17,984,694.00</b>	<b>\$4,504,187.00</b>	<b>\$649,656.72</b>	<b>\$23,138,537.00</b>	

**APPENDIX C-2 - SET-ASIDE DISBURSEMENTS**

<b>4058</b>	<b>15% Local Assistance</b>	<b>10% State Program Management</b>	<b>4% Administration</b>	<b>2% Technical Assistance</b>	<b>TOTAL</b>
FY99	\$188,416.86	\$144,722.56	\$17,556.28	\$112,289.76	\$462,985.46
FY00	\$241,674.67	\$799,553.89	\$110,971.88	\$124,263.26	\$1,276,463.70
FY01	\$216,638.25	\$920,457.94	\$298,498.49	\$0.00	\$1,435,594.68
FY02	\$423,518.81	\$83,456.77	\$18,033.01	\$0.00	\$525,008.59
FY03	\$349,585.08	-\$1,165.01	-\$80,810.04	\$0.00	\$267,610.03
FY04	\$66,648.33	\$8,005.85	\$137,690.38	\$2,343.98	\$214,688.54
<b>TOTAL</b>	<b>\$1,486,482.00</b>	<b>\$1,955,032.00</b>	<b>\$501,940.00</b>	<b>\$238,897.00</b>	<b>\$4,182,351.00</b>

<b>4501</b>	<b>15% Local Assistance</b>	<b>10% State Program Management</b>	<b>4% Administration</b>	<b>2% Technical Assistance</b>	<b>TOTAL</b>
FY00	\$56,319.26	\$61,478.02	\$0.00	\$122,942.00	\$240,739.28
FY01	\$196,376.64	\$52,619.26	\$20,089.77	\$168,760.00	\$437,845.67
FY02	\$67,488.16	\$810,568.57	\$212,606.61	\$0.00	\$1,090,663.34
FY03	-\$12,080.52	\$185,496.40	\$44,293.89	\$0.00	\$217,709.77
FY04	-\$70,613.51	\$22,153.85	-\$114,253.57	-\$2,343.98	-\$165,057.21
FY05	\$16,996.52	\$80,873.79	\$31,583.99	\$0.00	\$129,454.30
FY06	\$88,917.45	\$186,810.11	\$90,531.31	\$2,343.98	\$368,602.85
<b>TOTAL</b>	<b>\$343,404.00</b>	<b>\$1,400,000.00</b>	<b>\$284,852.00</b>	<b>\$291,702.00</b>	<b>\$2,319,958.00</b>

<b>7515</b>	<b>15% Local Assistance</b>	<b>10% State Program Management</b>	<b>4% Administration</b>	<b>2% Technical Assistance</b>	<b>TOTAL</b>
FY02	\$466,150.00	\$74,198.76	\$7,000.38	\$153,901.30	\$701,250.44
FY03	\$677,647.07	\$1,023,166.99	\$249,916.19	-\$291.83	\$1,950,438.42
FY04	\$11,758.91	\$435,367.58	\$45,631.48	\$0.00	\$492,757.97
FY05	\$1,682.06	\$18,379.38	\$984.60	\$0.00	\$21,046.04
FY06	\$5,280.41	-\$2,118.31	\$4,938.42	\$1,530.53	\$9,631.05
FY07	\$1,031.55	\$2,405.60	\$1,808.93	\$0.00	\$5,246.08
<b>TOTAL</b>	<b>\$1,163,550.00</b>	<b>\$1,551,400.00</b>	<b>\$310,280.00</b>	<b>\$155,140.00</b>	<b>\$3,180,370.00</b>

<b>8861</b>	<b>15% Local Assistance</b>	<b>10% State Program Management</b>	<b>4% Administration</b>	<b>2% Technical Assistance</b>	<b>TOTAL</b>
FY03	\$92,827.83	\$73,849.81	\$82,365.75	\$53,979.67	\$303,023.06
FY04	\$440,301.18	\$1,017,480.43	\$222,130.29	\$99,402.09	\$1,779,313.99
<b>FY 04 In-Kind Service</b>			\$10,000.00		\$10,000.00
FY05	\$32,632.11	\$147,284.12	-\$1,068.78	\$0.00	\$178,847.45
FY06	\$503,517.16	\$279,864.91	-\$1,863.26	\$2,400.24	\$783,919.05
FY07	\$99,086.72	\$39,340.73	\$0.00	\$0.00	\$138,427.45
<b>TOTAL</b>	<b>\$1,168,365.00</b>	<b>\$1,557,820.00</b>	<b>\$311,564.00</b>	<b>\$155,782.00</b>	<b>\$3,193,531.00</b>

<b>9677</b>	<b>15% Local Assistance</b>	<b>10% State Program Management</b>	<b>4% Administration</b>	<b>2% Technical Assistance</b>	<b>TOTAL</b>
FY04	\$33,000.00	\$77,346.69	\$68,306.27	\$76,399.35	\$255,052.31
FY05	\$384,471.76	\$1,027,223.83	\$214,397.69	\$73,390.35	\$1,699,483.63
FY06	\$112,900.65	\$403,494.81	\$39,010.13	\$11,260.30	\$566,665.89
FY07	\$665,759.98	\$102,434.67	\$385.91	\$0.00	\$768,580.56
FY08	\$11,742.61	\$0.00	\$0.00	\$0.00	\$11,742.61
<b>TOTAL</b>	<b>\$1,207,875.00</b>	<b>\$1,610,500.00</b>	<b>\$322,100.00</b>	<b>\$161,050.00</b>	<b>\$3,301,525.00</b>

<b>11516</b>	<b>15% Local Assistance</b>	<b>10% State Program Management</b>	<b>4% Administration</b>	<b>2% Technical Assistance</b>	<b>TOTAL</b>
FY05	\$522.50	\$1,995.00	\$237.50	\$106,721.32	\$109,476.32
FY06	\$136,607.57	\$206,373.57	\$100,782.08	\$50,775.01	\$494,538.23
FY07	\$220,311.54	\$765,848.63	\$193,789.56	\$0.00	\$1,179,949.73
FY08	\$709,798.95	\$382,480.09	\$25,174.49	\$2,585.67	\$1,120,039.20
FY09	\$133,374.44	\$244,122.71	\$180.37	\$0.00	\$377,677.52
<b>TOTAL</b>	<b>\$1,200,615.00</b>	<b>\$1,600,820.00</b>	<b>\$320,164.00</b>	<b>\$160,082.00</b>	<b>\$3,281,681.00</b>

**APPENDIX C-2 - SET-ASIDE DISBURSEMENTS**

12813	15% Local Assistance	10% State Program Management	4% Administration	2% Technical Assistance	TOTAL
FY05	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
FY06	\$0.00	\$0.00	\$10.82	\$93,172.95	\$93,183.77
FY07	\$366.00	\$3,015.00	\$57,405.29	\$45,286.00	\$106,072.29
FY08	\$426,181.68	\$837,797.06	\$139,883.14	\$0.00	\$1,403,861.88
FY09	\$797,675.29	\$809,582.46	\$132,849.10	\$27,603.05	\$1,767,709.90
FY10	\$21,243.03	\$10,225.48	\$1,975.65	\$0.00	\$33,444.16
<b>TOTAL</b>	<b>\$1,245,466.00</b>	<b>\$1,660,620.00</b>	<b>\$332,124.00</b>	<b>\$166,062.00</b>	<b>\$3,404,272.00</b>

14364	15% Local Assistance	10% State Program Management	4% Administration	2% Technical Assistance	TOTAL
FY05	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
FY06	\$0.00	\$0.00			\$0.00
FY07				\$110,473.36	\$110,473.36
FY08	\$5,908.33	\$6,686.18	\$20,631.40	\$46,091.52	\$79,317.43
FY09	\$453,228.07	\$588,696.34	\$88,748.15	\$0.00	\$1,130,672.56
FY 09 In-Kind Service		\$134,176.00			\$134,176.00
FY10	\$777,371.80	\$920,558.72	\$221,061.74	\$9,145.12	\$1,928,137.38
FY11	\$6,316.80	\$6,982.76	\$978.71	\$0.00	\$14,278.27
<b>TOTAL</b>	<b>\$1,242,825.00</b>	<b>\$1,657,100.00</b>	<b>\$331,420.00</b>	<b>\$165,710.00</b>	<b>\$3,397,055.00</b>

15384	15% Local Assistance	10% State Program Management	4% Administration	2% Technical Assistance	TOTAL
FY08	\$542.91	\$700.98	\$80.01	\$107,142.33	\$108,466.23
FY09	\$0.00	\$3,300.00	\$13,246.76	\$54,858.00	\$71,404.76
FY10	\$904,658.96	\$1,076,473.14	\$54,942.01	\$2,585.67	\$2,038,659.78
FY11	\$283,717.65	\$511,702.95	\$260,629.27	\$0.00	\$1,056,049.87
FY12	\$45,475.48	\$11,622.93	\$273.95	\$0.00	\$57,372.36
<b>TOTAL</b>	<b>\$1,234,395.00</b>	<b>\$1,603,800.00</b>	<b>\$329,172.00</b>	<b>\$164,586.00</b>	<b>\$3,331,953.00</b>

16569	15% Local Assistance	10% State Program Management	4% Administration	2% Technical Assistance	TOTAL
FY09	\$0.00	\$0.00	\$0.00	\$82,116.95	\$82,116.95
FY10	\$404,678.41	\$248,593.62	\$0.00	\$82,463.05	\$735,735.08
FY11	\$663,434.44	\$567,852.38	\$106,643.15	-\$1,498.19	\$1,336,431.78
FY12	\$155,499.94	\$6,435.12	\$222,481.48	\$1,325.90	\$385,742.44
FY13					
<b>TOTAL</b>	<b>\$1,223,612.79</b>	<b>\$822,881.12</b>	<b>\$329,124.63</b>	<b>\$164,407.71</b>	<b>\$2,540,026.25</b>

17575	15% Local Assistance	10% State Program Management	4% Administration	2% Technical Assistance	TOTAL
FY 09 In-Kind Service	\$0.00	\$0.00	\$250,000.00	\$0.00	\$250,000.00
<b>TOTAL</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$250,000.00</b>	<b>\$0.00</b>	<b>\$250,000.00</b>

17779	15% Local Assistance	10% State Program Management	4% Administration	2% Technical Assistance	TOTAL
FY10	\$0.00	\$40,819.86	\$0.00	\$70,799.44	\$111,619.30
FY11	\$905,918.27	\$831,723.19	\$64.58	\$55,066.72	\$1,792,772.76
FY12	\$286,553.16	\$641,219.28	\$132,310.71	\$35,503.26	\$1,095,586.41
FY13					
<b>TOTAL</b>	<b>\$1,192,471.43</b>	<b>\$1,513,762.33</b>	<b>\$132,375.29</b>	<b>\$161,369.42</b>	<b>\$2,999,978.47</b>

19106	15% Local Assistance	10% State Program Management	4% Administration	2% Technical Assistance	TOTAL
FY 11 In-Kind Service	0.00	200,000.00	250,000.00	0.00	450,000.00
FY11	\$363,766.21	\$833,412.20	\$305.33	\$120,456.00	\$1,317,939.74
FY12	\$1,813,262.98	\$1,057,711.64	\$20,369.44	\$145,250.97	\$3,036,595.03
FY13					
<b>TOTAL</b>	<b>\$2,177,029.19</b>	<b>\$1,891,123.84</b>	<b>\$20,674.77</b>	<b>\$265,706.97</b>	<b>\$4,354,534.77</b>

20419	15% Local Assistance	10% State Program Management	4% Administration	2% Technical Assistance	TOTAL
FY 11 In-Kind Service	100,000.00	25,542.00	224,458.00	0.00	350,000.00
FY12	3,378.20	305,857.52	0.00	0.00	309,235.72
FY13					\$0.00
<b>TOTAL</b>	<b>\$3,378.20</b>	<b>\$305,857.52</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$309,235.72</b>

**APPENDIX C-2 - SET-ASIDE DISBURSEMENTS**

	15% Local Assistance	10% State Program Management	4% Administration	2% Technical Assistance	TOTAL
<b>FY 12 In-Kind Service</b>	20,000.00	0.00	125,000.00	0.00	145,000.00
<b>FY13</b>					0.00
					\$0.00
					\$0.00
<b>TOTAL</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>

TOTAL	15% Local Assistance	10% State Program Management	4% Administration	2% Technical Assistance	TOTAL
<b>FY99</b>	\$188,416.86	\$144,722.56	\$17,556.28	\$112,289.76	\$462,985.46
<b>FY00</b>	\$297,993.93	\$861,031.91	\$110,971.88	\$247,205.26	\$1,517,202.98
<b>FY01</b>	\$413,014.89	\$973,077.20	\$318,588.26	\$168,760.00	\$1,873,440.35
<b>FY02</b>	\$957,156.97	\$968,224.10	\$237,640.00	\$153,901.30	\$2,316,922.37
<b>FY03</b>	\$1,107,979.46	\$1,281,348.19	\$295,765.79	\$53,687.84	\$2,738,781.28
<b>FY04</b>	\$481,094.91	\$1,560,354.40	\$359,504.85	\$175,801.44	\$2,576,755.60
<b>FY05</b>	\$436,304.95	\$1,275,756.12	\$246,135.00	\$180,111.67	\$2,138,307.74
<b>FY06</b>	\$847,223.24	\$1,074,425.09	\$233,409.50	\$161,483.01	\$2,316,540.84
<b>FY07</b>	\$986,555.79	\$913,044.63	\$253,389.69	\$155,759.36	\$2,308,749.47
<b>FY08</b>	\$1,154,174.48	\$1,227,664.31	\$185,769.04	\$155,819.52	\$2,723,427.35
<b>FY09</b>	\$1,384,277.80	\$1,645,701.51	\$235,024.38	\$164,578.00	\$3,429,581.69
<b>FY10</b>	\$2,107,952.20	\$2,296,670.82	\$277,979.40	\$164,993.28	\$4,847,595.70
<b>FY11</b>	\$2,223,153.37	\$2,751,673.48	\$368,621.04	\$174,024.53	\$5,517,472.42
<b>FY12</b>	\$2,304,169.76	\$2,022,846.49	\$375,435.58	\$182,080.13	\$4,884,531.96
<b>FY13</b>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>TOTAL</b>	<b>\$14,889,468.61</b>	<b>\$18,996,540.81</b>	<b>\$3,515,790.69</b>	<b>\$2,250,495.10</b>	<b>\$39,652,295.21</b>

**APPENDIX C-3: CONSTRUCTION FUNDS DBE SUMMARY**

	DBE Contract Awards	MBE				WBE				SBE			
		Construction	Equipment	Services	Supplies	Construction	Equipment	Services	Supplies	Construction	Equipment	Services	Supplies
April 2011 - Sept. 2011	City of White Sulphur Springs			\$4,936.50									
	Parkersburg Utility			\$4,250.00									
	Southwestern PSD					\$5,246.00							
	Nettie-leivasy PSD					\$37,550.00							
	Nettie-leivasy PSD							\$6,250.00					
	<b>2nd Half FFY2011 Total</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$9,186.50</b>	<b>\$0.00</b>	<b>\$42,796.00</b>	<b>\$0.00</b>	<b>\$6,250.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
Oct. 2011 - March 2012	City of St. Marys			\$10,850.00									
	City of St. Marys			\$4,000.00									
	Southwestern PSD					\$2,120.00							
	City of Fairmont					\$24,000.00							
	Morgantown Utility Board					\$60,000.00							
	Morgantown Utility Board					\$36,500.00							
	Morgantown Utility Board					\$2,600.00							
	Morgantown Utility Board								\$15,020.00				
	Morgantown Utility Board								\$1,070.00				
		<b>1st Half FFY2012 Total</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$14,850.00</b>	<b>\$0.00</b>	<b>\$125,220.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$16,090.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
March '11 to Sept. '12	<b>Total</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$24,036.50</b>	<b>\$0.00</b>	<b>\$168,016.00</b>	<b>\$0.00</b>	<b>\$6,250.00</b>	<b>\$16,090.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>

**APPENDIX C-4: SET ASIDE FUNDS DBE SUMMARY**

	Grant Number	Procurement	MBE				WBE			
			Construction	Supplies	Services	Equipment	Construction	Supplies	Services	Equipment
<b>April 2011 - Sept. 2011</b>	15384 (99390007)	\$64,500.85								
	16569 (99390008)	\$240,642.24								
	17779 (99390009)	\$649,777.93								
	19106 (99390010)	\$878,927.48		\$7.40					\$33,116.00	
	<b>2nd Half FFY2011 Total</b>	<b>\$1,833,848.50</b>	<b>\$0.00</b>	<b>\$7.40</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$33,116.00</b>	<b>\$0.00</b>
<b>October 2011 - March 2012</b>	16569 (99390008)	\$137,999.01								
	17779 (99390009)	\$339,932.88								
	19106 (99390010)	\$941,022.83							\$10,485.50	
	20419 (99390011)	\$6,900.00					\$1.74			
	<b>1st Half FFY2012 Total</b>	<b>\$1,425,854.72</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$1.74</b>	<b>\$10,485.50</b>	<b>\$0.00</b>
<b>April 2011 - March 2012</b>	<b>Total</b>	<b>\$3,259,703.22</b>	<b>\$0.00</b>	<b>\$7.40</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$1.74</b>	<b>\$43,601.50</b>	<b>\$0.00</b>

## APPENDIX C-5: DHHR Commitment Report

WV - DHHR Commitment Report

SFY 2012 - Sub-recipient Obligation (June 30, 2012)

Sub-recipient	2% Technical Assistance	4% Administration	10% Program Management	15% Local Assistance	Grand Total
	3047	3046	3045	3044	
<b>FS99390008(16569)</b>					
Audio Visual Innovations				\$10,396.20	
<b>TOTALS</b>	\$0.00	\$0.00	\$0.00	\$10,396.20	<b>\$10,396.20</b>
Sub-recipient	2% Technical Assistance	4% Administration	10% Program Management	15% Local Assistance	Grand Total
	3047	3046	3045	3044	
<b>FS99390009(17779)</b>					
Page Kincaid PSD		\$25,000.00			
City of Sistersville		\$16,667.00			
Tetra Tech Inc			\$115,437.67		
BB&T		\$21,037.93			
<b>TOTALS</b>	\$0.00	\$62,704.93	\$115,437.67	\$0.00	<b>\$178,142.60</b>
Sub-recipient	2% Technical Assistance	4% Administration	10% Program Management	15% Local Assistance	Grand Total
	3047	3046	3045	3044	
<b>FS99390010(19106)</b>					
Page Kincaid PSD				\$33,752.30	
Interstate Comm on Potomac River Basin				\$4,619.00	
Region I Planning & Dev Council				\$2,985.05	
Global Environmental Consulting Inc			\$22,218.00	\$50,796.75	
WV Rivers Coalition				\$20,000.00	
Wetzel County PSD Dist 1				\$8,333.00	
City of McMechen				\$10,417.00	
ETRAIN Online Inc				\$23,500.00	
G4S Secure Solutions USA Inc		\$155.88	\$639.33	\$451.24	
R&G Building			\$2,590.20		
Philippi Municipal Building Commission			\$1,326.00		
Jefferson Co. Commission			\$3,648.06		
TESI			\$6,050.98		
WV Rural water association	\$15,444.00				
Jay Roles Floral Inc			\$2,417.60		
Oracle America Inc			\$1,333.16		
US Geological Survey			\$19,571.44		
Hewlett Packard			\$120.00		
<b>TOTALS</b>	\$15,444.00	\$155.88	\$59,914.77	\$154,854.34	<b>\$230,368.99</b>
Sub-recipient	2% Technical Assistance	4% Administration	10% Program Management	15% Local Assistance	Grand Total
	3047	3046	3045	3044	
<b>FS99390011(20419)</b>					
Swiftwater Café			\$2,941.63		
Jefferson Co. Commission			\$15,527.64		
R&G Building			\$20,223.12		
Oracle America Inc			\$474.59		
Cowen PSD			\$0.84		
<b>TOTALS</b>	\$0.00	\$0.00	\$39,167.82	\$0.00	<b>\$39,167.82</b>
<b>SFY Grand total of all set-asides 2%, 4% 10% and 15%</b>	\$15,444.00	\$62,860.81	\$214,520.26	\$165,250.54	\$458,075.61

## **APPENDIX D**

Final Water Development Authority (WDA) Audit  
Audit Reports (Including Financial Statements)

**(Audit Report will be issued at a later date)**

## **APPENDIX E**

Annual Reports On Credit Conditions Of Borrowers

## Appendix E

The OEHS and the Water Development Authority (WDA) ensure that borrowers have good credit conditions through the use of the following:

- A. Prior to issuance of a DWTRF loan, OEHS performs a capacity development assessment on the potential loan recipient's water system to ensure that it will have adequate technical, managerial, and financial (TMF) capacity. If the assessment shows inadequate capacity, the BPH or other appropriate capacity development stakeholder agency (e.g. WVRWA, WVPSA) either assists the system to achieve adequate capacity as a loan condition or a decision is made to not provide a DWTRF loan unless appropriate capacity is achieved. The WDA also reviews the proposed rates to determine the loan recipient's ability to provide debt service, loan coverage and a 2.5% renewal and replacement payment.
- B. Each project must receive a Certificate of Convenience and Necessity from the PSC before the loan is closed. The PSC reviews the financial conditions of the loan recipient and determines if they can repay the loan under the conditions of the loan agreement.
- C. In accordance with the loan conditions, the WDA/BPH receives monthly financial statements from the borrowers, as well as, annual operating budgets that are reviewed and an assessment made as to whether the borrower is financially sound and in compliance with the loan agreement.
- D. The borrower must provide an annual audit during the period of receiving loan disbursements. If the borrower is a municipality, the maximum that can be paid for private auditing services is \$2500. A municipality can use the West Virginia State Auditor's Office to audit their system; however, their use has meant past time delays in audit report submittal due to the number of audits the State performs. The Public Service District borrowers do not have the above requirements; however, they seem to also have delays in submitting their audits. The WDA performs a desk review audit (list attached) to determine if there are any discrepancies.

The WDA performs the monitoring the repayment activity of the DWTRF. The monthly reports are received by WDA and BPH and are reviewed. When the required debt service or reserve payments are not made, WDA will send letters to the loan recipients. WDA and BPH have developed procedures for performing a review of the required audits from the borrowers and have since then implemented the reviews.

The mandated maximum limit which can be paid by the loan borrowers to certified public accountants for an audit and the time delays for the state auditor to perform an audit are the primary reasons for the audit delays. OEHS, WDA, and the state auditors are working on a solution to the lack of audits through notification of project substantial completion of construction to all interested parties so that an audit can be done, most likely by the State, in a timely manner.

- E. If there are discrepancies or omissions with any of the borrowers funding information, then the WDA sends a letter reminding the borrower of their commitment.

# **APPENDIX F**

Desk Audit Reviews

## APPENDIX F: Desk Audit Reviews

**NOTE: AUDIT FY 2011, 1 YEAR IN ARREARS**

LGA (Still in Construction during the fiscal year)	Only if >\$500K Fed Funds Single Audit (A-133) Required?		Regular Annual Audit Received?	Desk Audit Review Completed?
	Yes	No		
Bath	x		x	Jun-12
Ceredo		x	NO	N/A
Charles Town		x	x	N/A
Coons Run PSD	x		x	Jun-12
Fairmont		x	x	N/A
Jane Lew Public Service	x		x	Jun-12
Marshall County PSD #4		x	x	N/A
Morgantown Utility Board	x		x	Jun-12
Petersburg	x		x	Jun-12
Putnam Co PSD		x	x	N/A
Ronceverte		x	x	N/A
Salem	x		x	Jun-12
Southwestern PSD	x		x	Jun-12
Sugar Creek		x	x	N/A
Sun Valley		x	x	N/A
Wardensville	x		x	Jun-12
Wayne		x	x	N/A
Weirton		x	x	N/A
Welch	x		x	Jun-12
Wellsburg		x	NO	N/A
West Virginia American Water	x		NO	N/A
White Sulphur Springs		x	x	N/A
Whitmer	x		NO	N/A

	<b>Prior Year</b>			
Petersburg (FY 10)	x		x	12-Jun
Eastern Wyoming PSD-Gulf (FY 07)	x		x	12-Jun
Marshall County PSD #4 (FY 09)	x		x	12-Jun
West Virginia American Water (FY 10)	x		NO	N/A

# **APPENDIX G**

Monthly Reports from Loan Recipients

## APPENDIX G: Monthly Financial Reports From Loan Recipients

FY 2011 Reviewed in 2012

Monthly Financial Report

Local Governmental Agency	July	August	September	October	November	December	January	February	March	April	May	June	June 30, 2011 Audit	
Bath	X	X	X	X	X	X	X	X	X	X	X	X	X	
Ceredo														
Charles Town	X	X	X	X	X	X	X	X	X	X	X	X	X	
Coons Run PSD	X	X	X	X	X	X	X	X	X	X	X	X	X	
Fairmont, City of WATER	X	X	X	X	X	X	X	X	X	X	X	X	X	
Jane Lew Public Service	X	X	X	X	X	X	X	X	X	X	X	X	X	
Morgantown Utility Board	X	X	X	X	X	X	X	X	X	X	X	X	X	
Nettie-Leivasy	N/A								X	X	X	X	X	
Parkersburg Utility Board	X	X	X	X	X	X	X	X	X	X	X	X	X	
Petersburg	X	X	X	X	X	X	X	X	X	X	X	X	X	
Putnam Co PSD	X	X	X	X	X	X	X	X	X	X	X	X	X	
Ronceverte														
Salem	X	Not Available - Staff Turnover Issue					X	X	X	X	X	X	X	X
Southwestern PSD	X	X	X	X	X	X	X	X	X	X	X	X	X	
Sugar Creek	X	X	X	X	X	X	X	X	X	X	X	X	X	
Sun Valley	X	X	X	X	X	X	X	X	X	X	X	X	X	
Wardensville	X	X	X	X	X	X	X	X	X	X	X	X	X	
Welch	X	X	X	X	X	X	X	X	X	X	X	X	X	
Wellsburg	N/A			X	X	X	X	X	X	X	X	X	Not scheduled yet by State	
West Virginia American Water	X	X	X	X	X	X	X	X	X	X	X	X	X	
White Sulphur Springs	X	X	X	X	X	X	X	X	X	X	X	X	X	
Whitmer	X	X	X	X	X	X	X	X	X	X	X	X	Taking bids	